

FIG. 1

EXAMPLE OF A CONFIGURATION OF DIFFERENTIAL CDMA TRANSMITTER

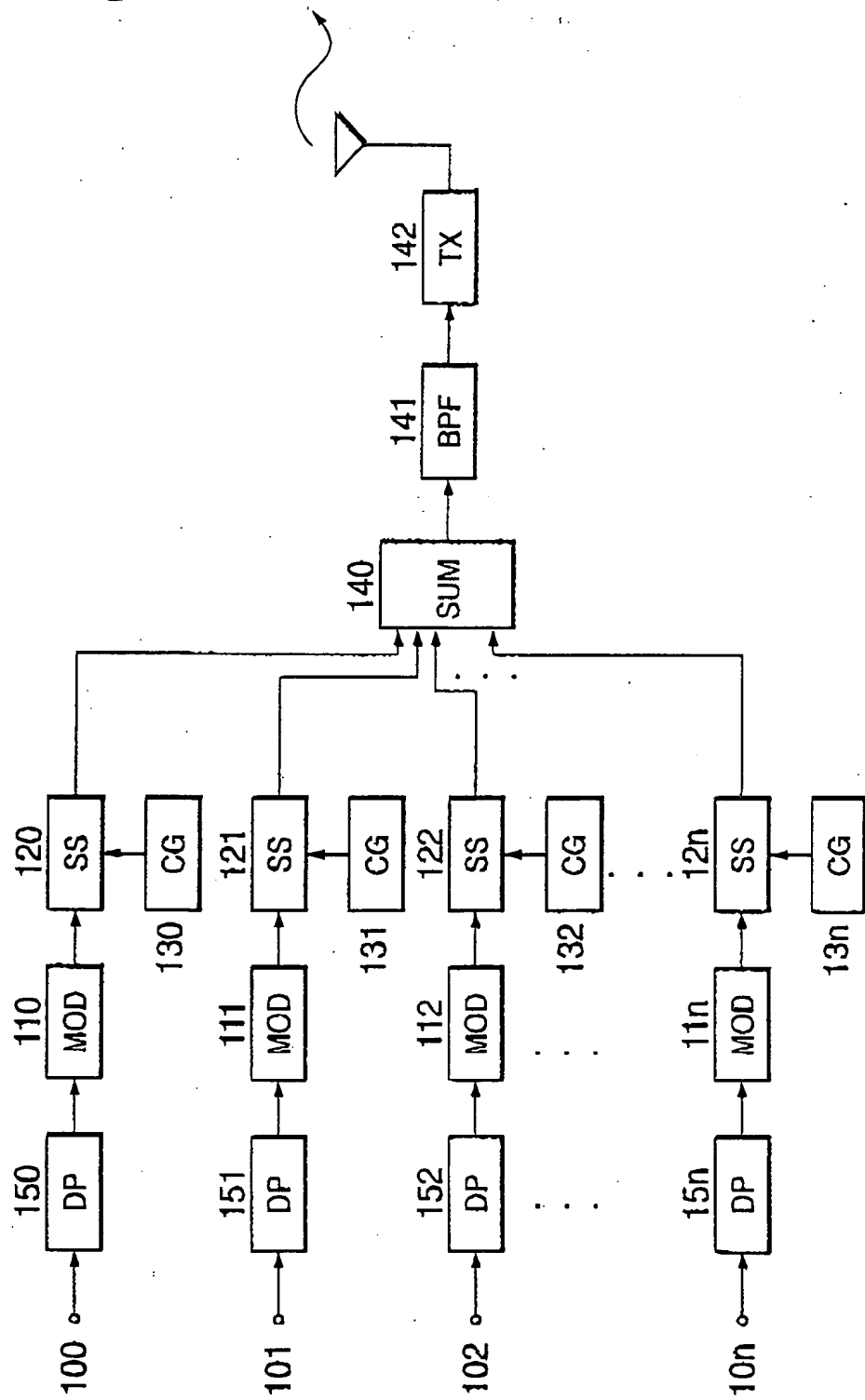


FIG. 2

EXAMPLE OF A DETAILED CONFIGURATION OF  
DIFFERENTIAL CODING CIRCUIT (DP)

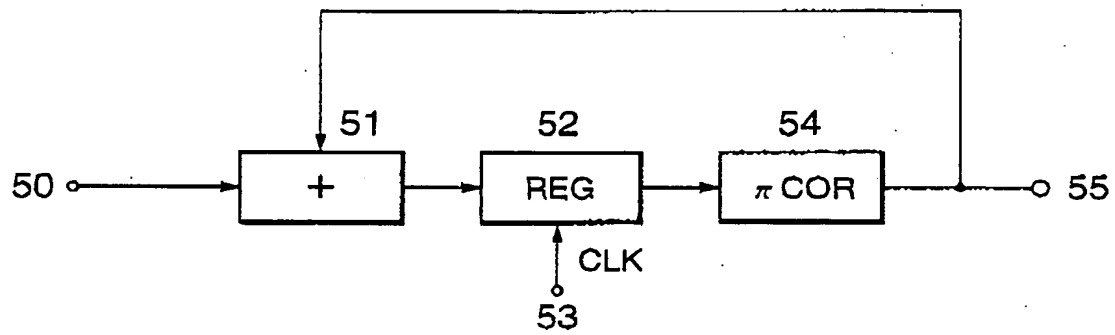


FIG. 3

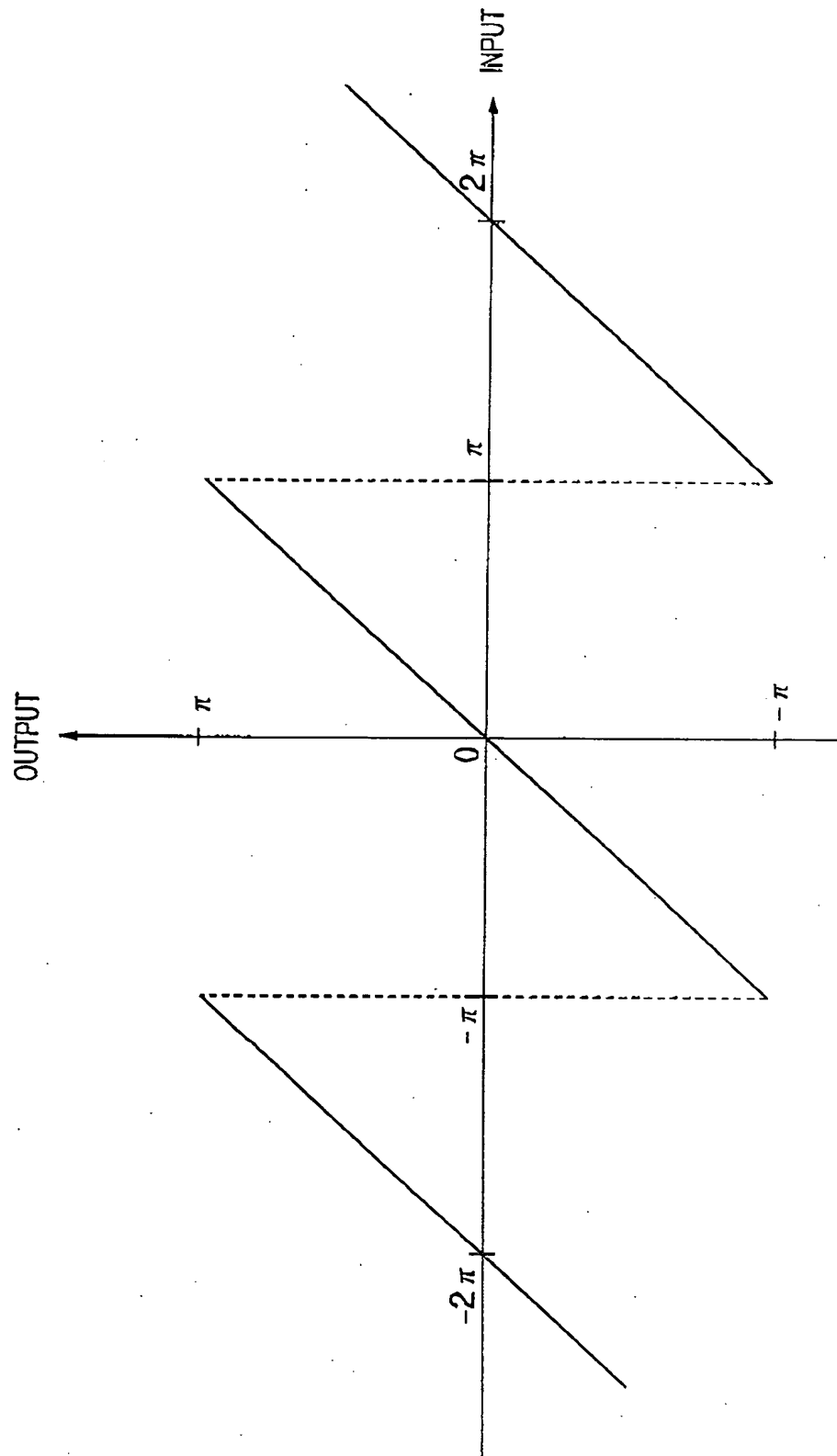
INPUT/OUTPUT CHARACTERISTICS OF  $\pi$  CORRECTOR (  $\pi$  COR)

FIG. 4

EXAMPLE OF A CONFIGURATION OF DIFFERENTIAL CDMA RECEIVER

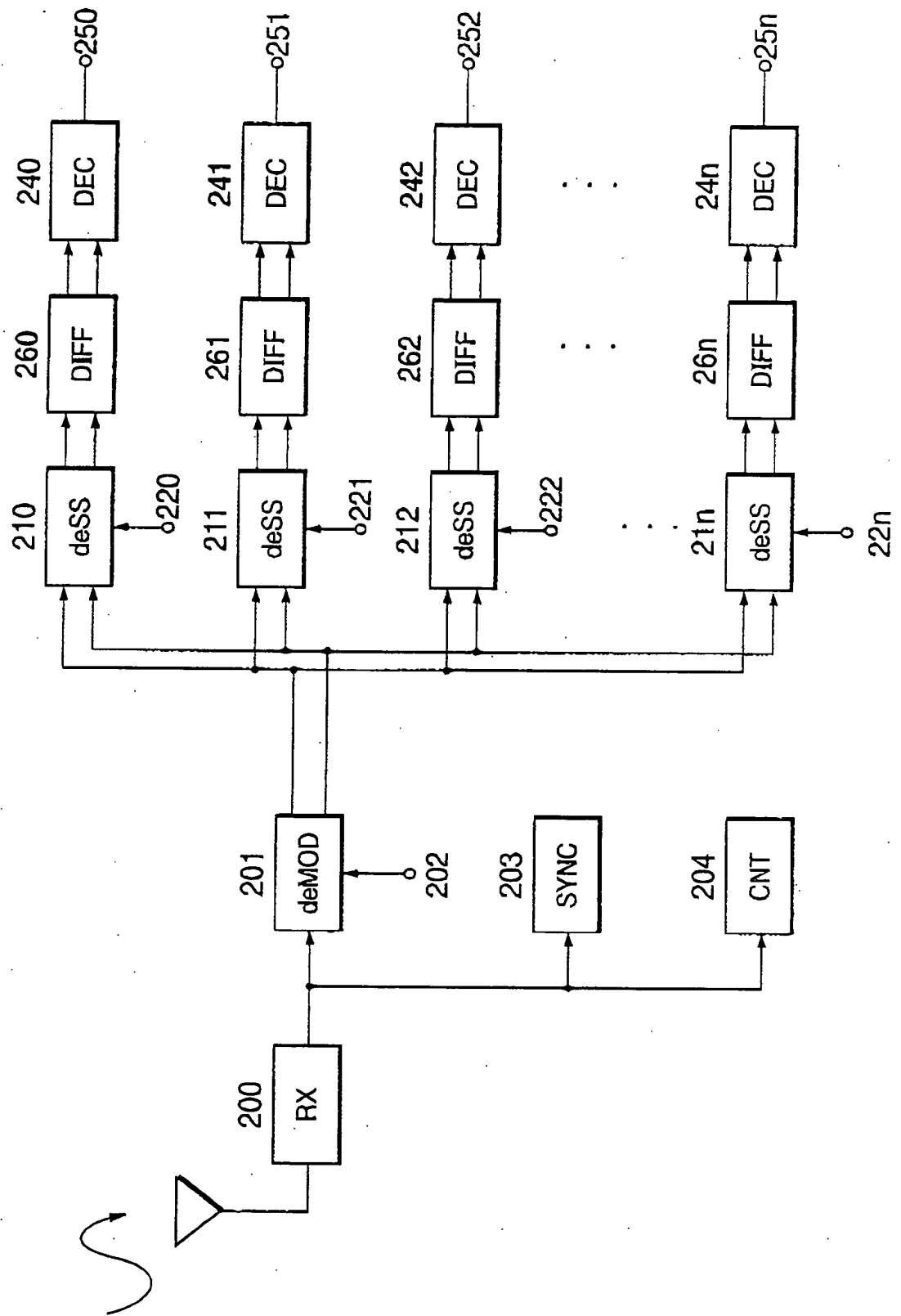


FIG. 5

EXAMPLE OF A DETAILED CONFIGURATION OF DIFFERENTIAL CIRCUIT (DIFF)

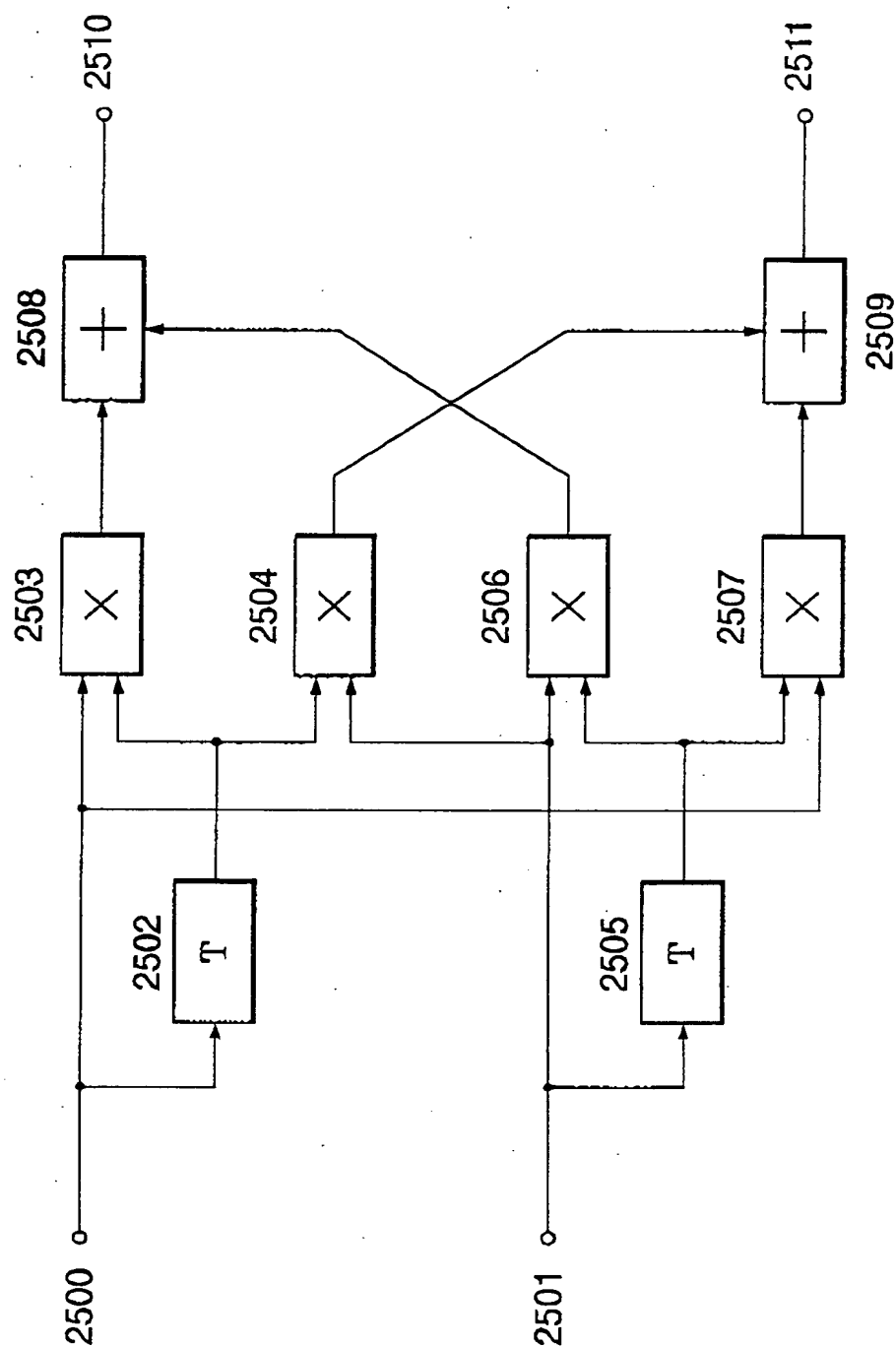


FIG. 6

SCHEMATIC VIEW OF INFORMATION PHASE

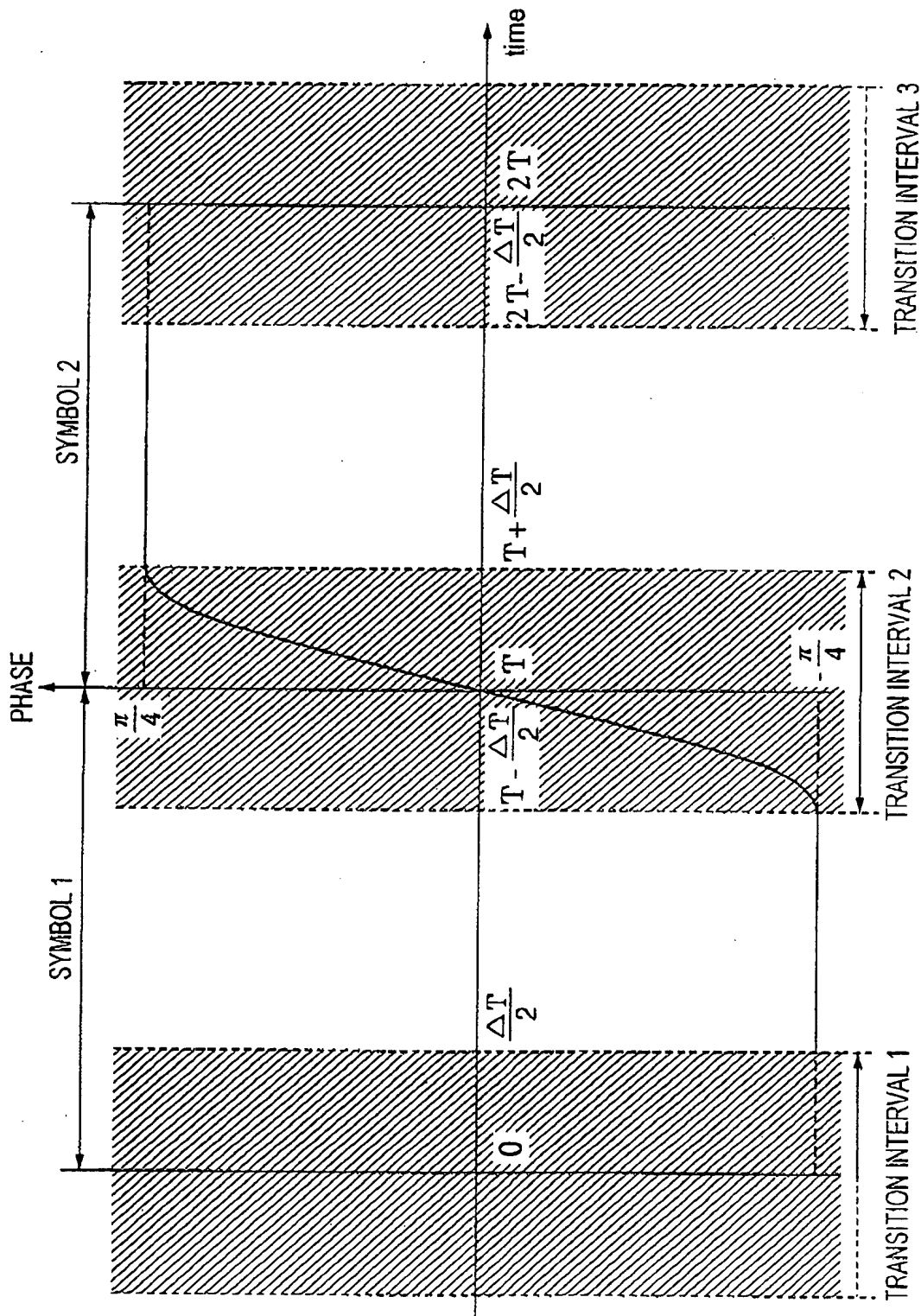
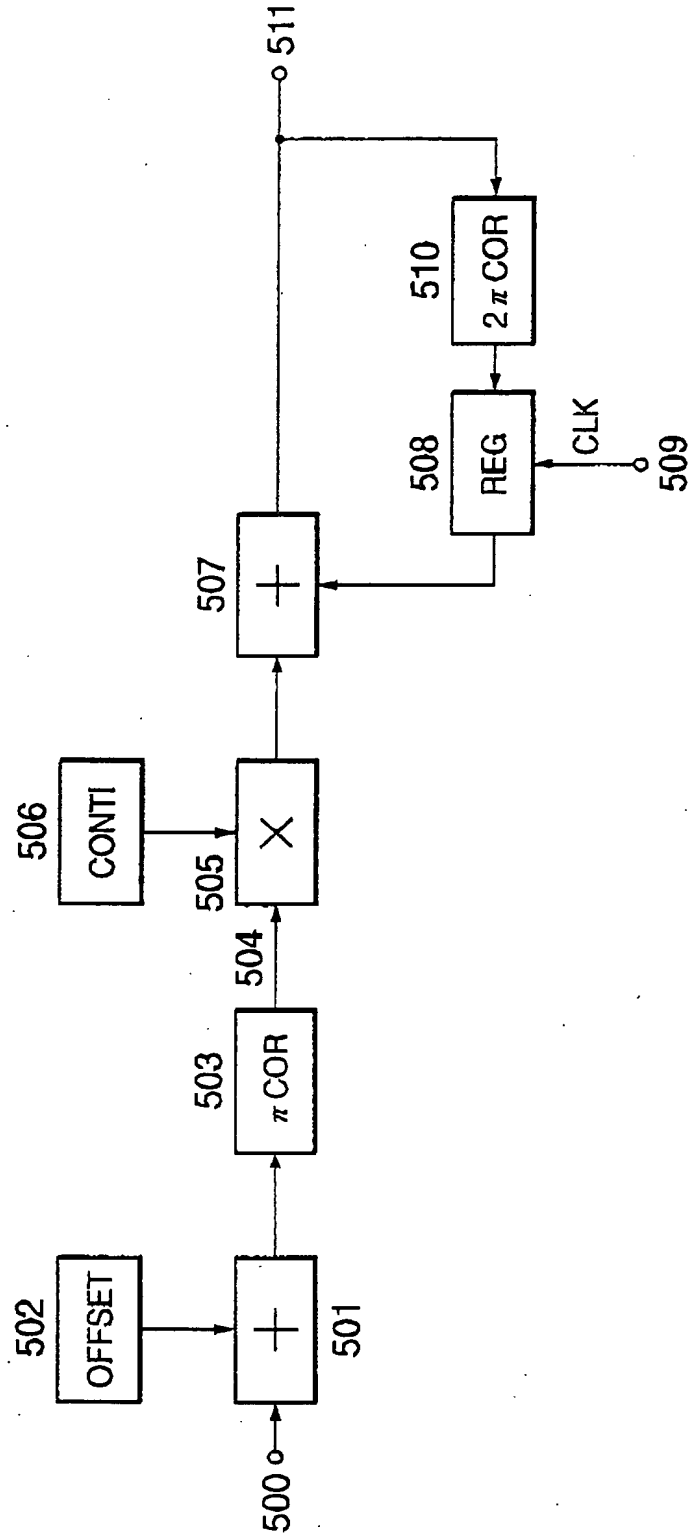


FIG. 7

EXAMPLE OF A DETAILED CONFIGURATION OF  
PHASE CONTINUOUS DIFFERENTIAL CODING CIRCUIT (DP-CP)



## TIME RESPONSE OF CONTINUATING CIRCUIT (CONTI)

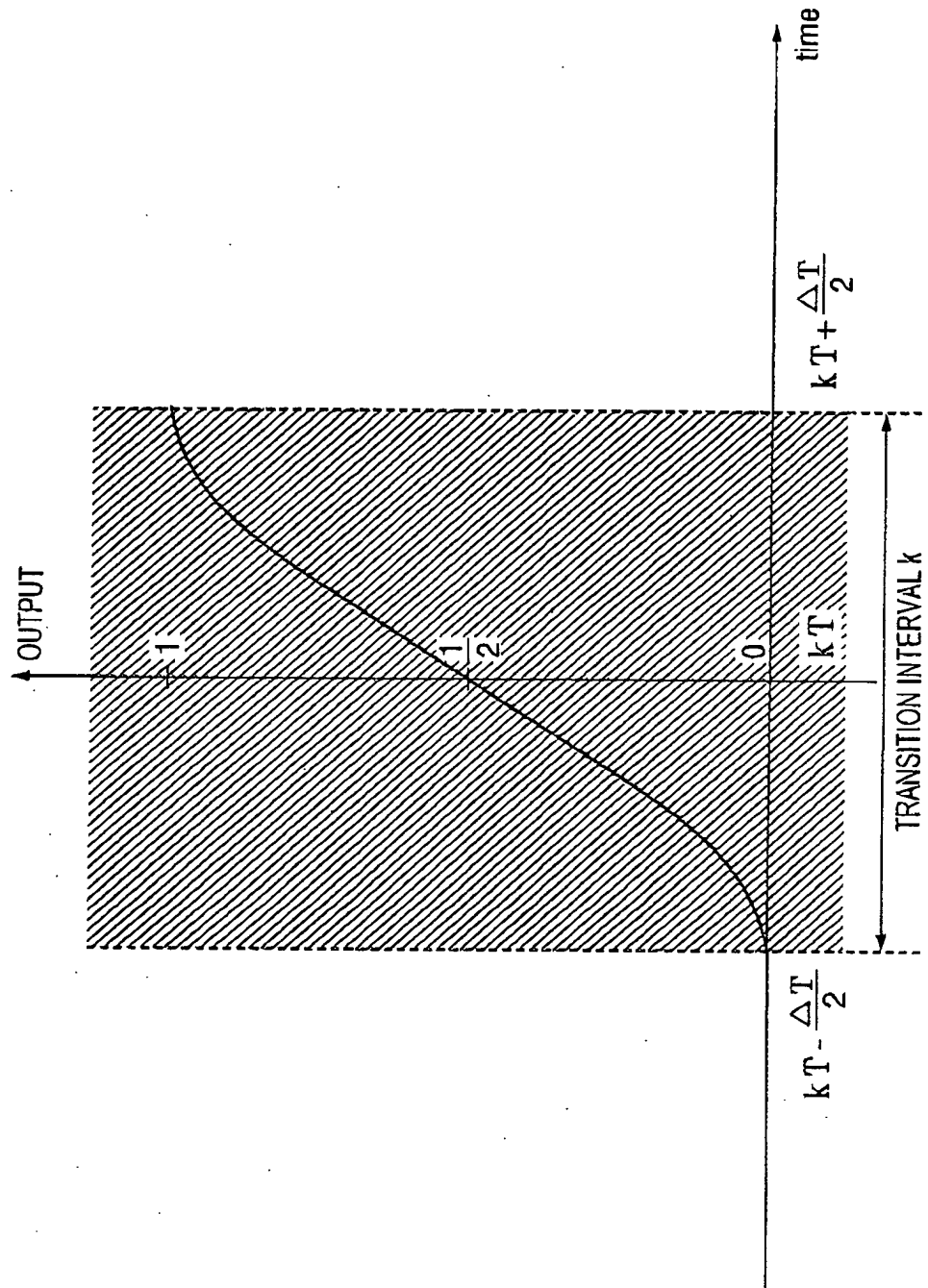




FIG. 9

EXAMPLE OF A DETAILED CONFIGURATION OF PHASE CONTINUATING CIRCUIT (CP)

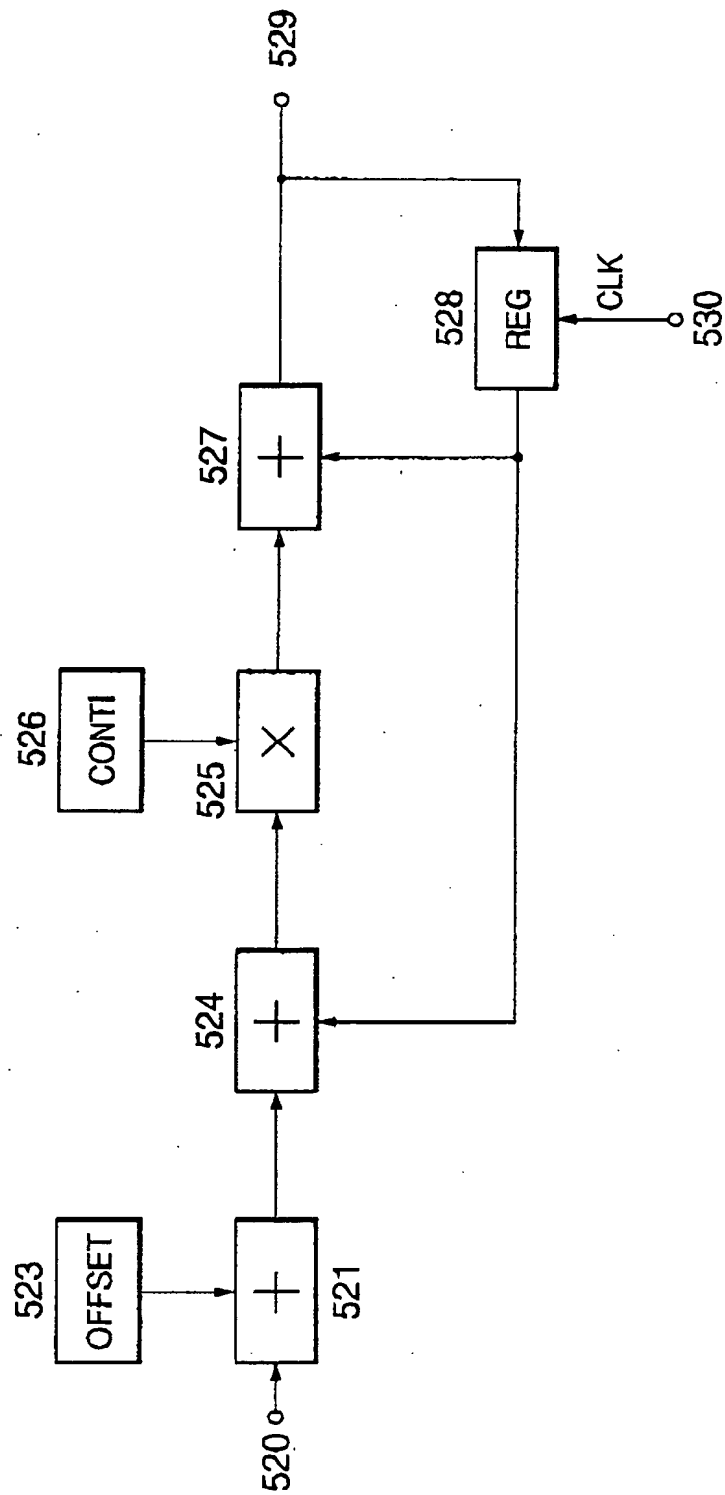


FIG. 10

SCHEMATIC VIEW OF PRIMARY MODULATED WAVEFORM

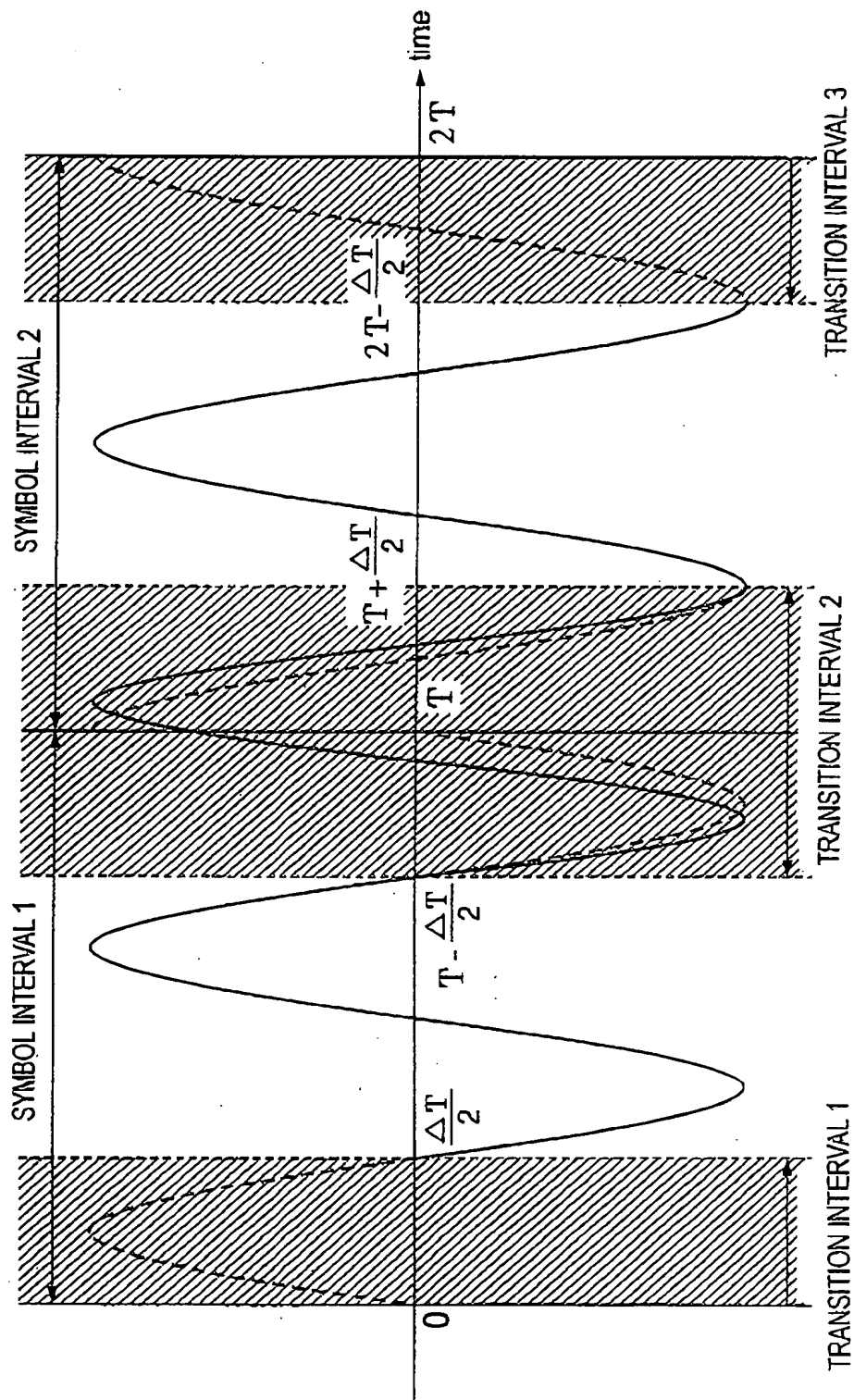
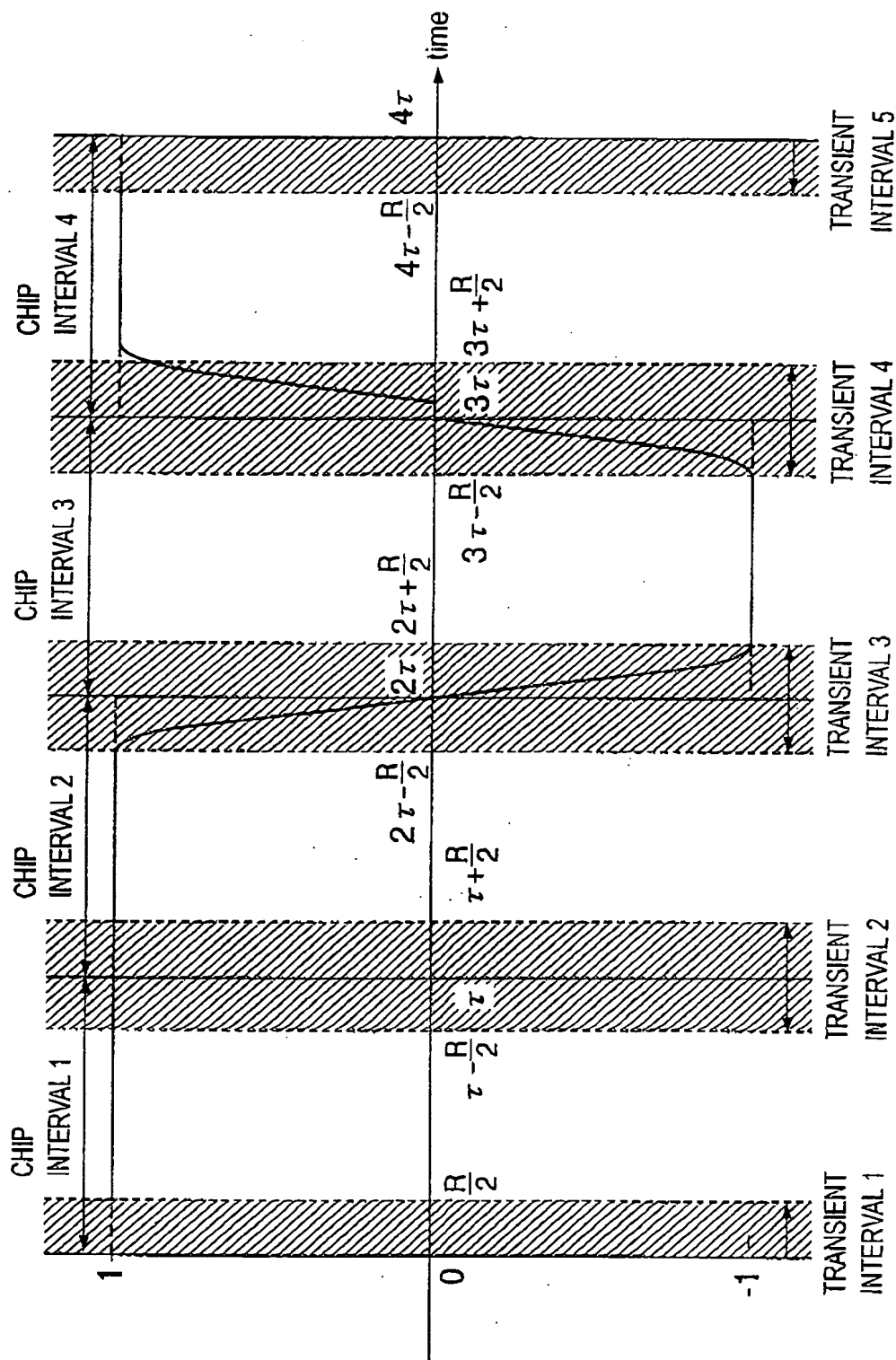


FIG. 11

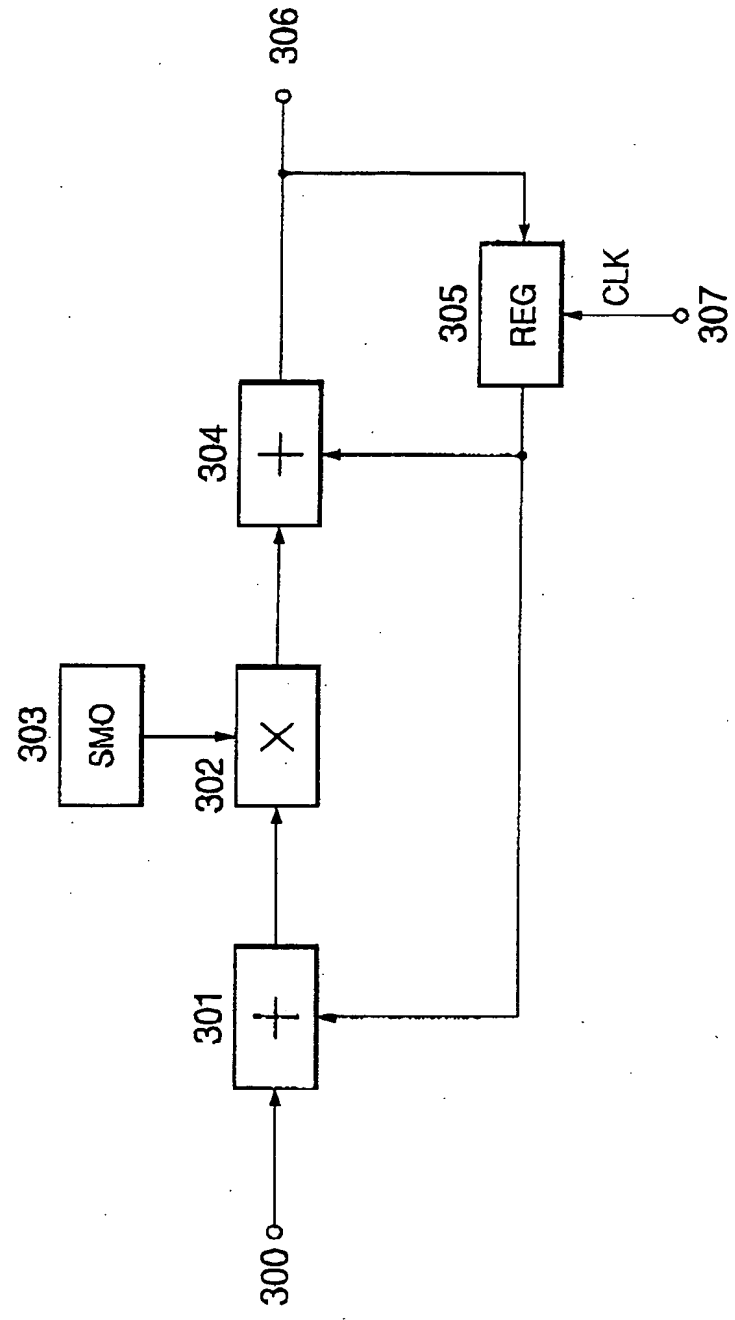
SCHEMATIC VIEW OF SPREAD CODE SEQUENCE WAVEFORM



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FIG. 12

EXAMPLE OF A DETAILED CONFIGURATION OF SPREAD CODE SEQUENCE WAVEFORM  
CONTINUATING CIRCUIT (CODE-CS)



**FIG. 13**

### EXAMPLE OF TIME RESPONSE WAVEFORM OF SMOOTHER (SMO)

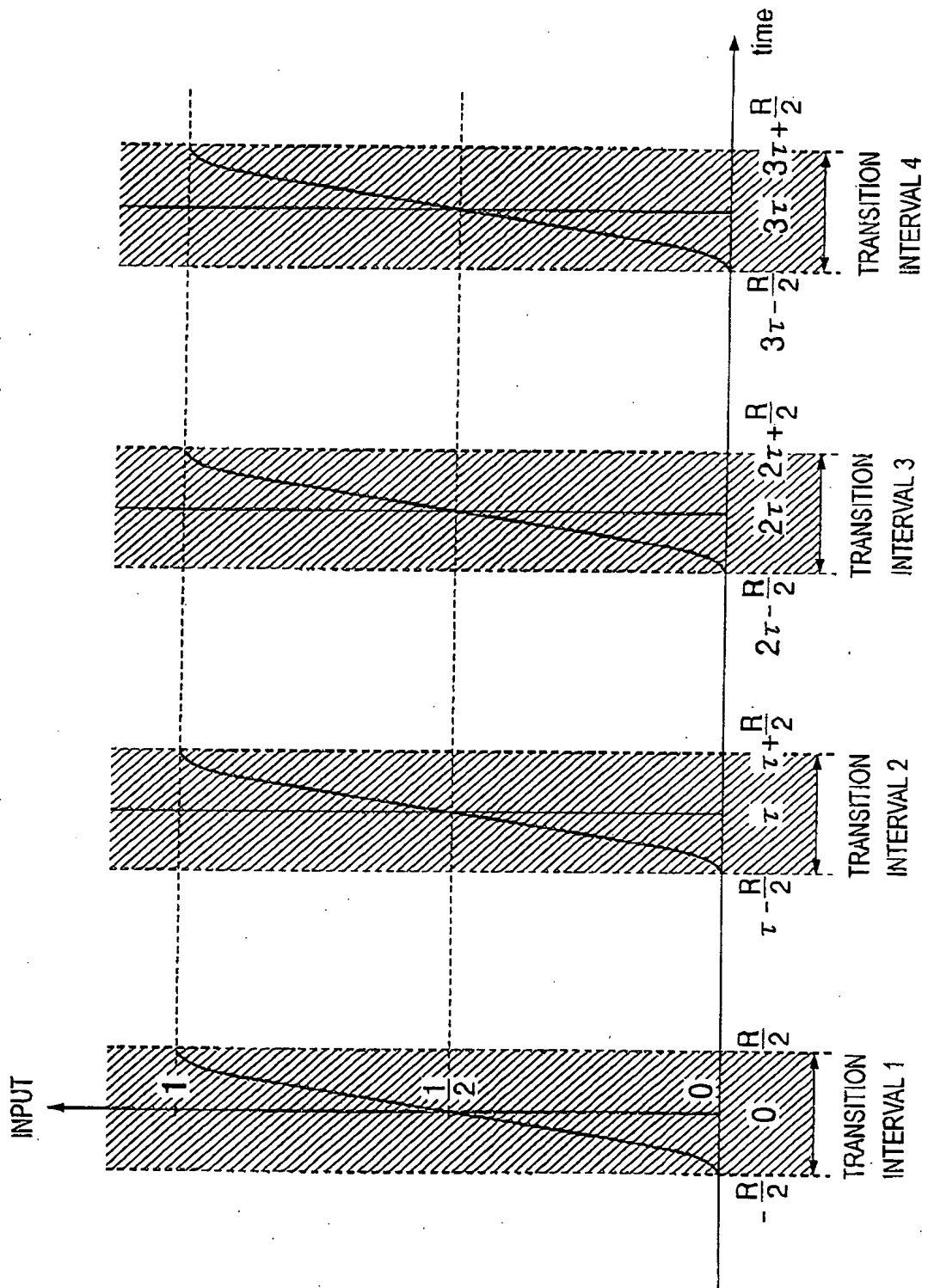
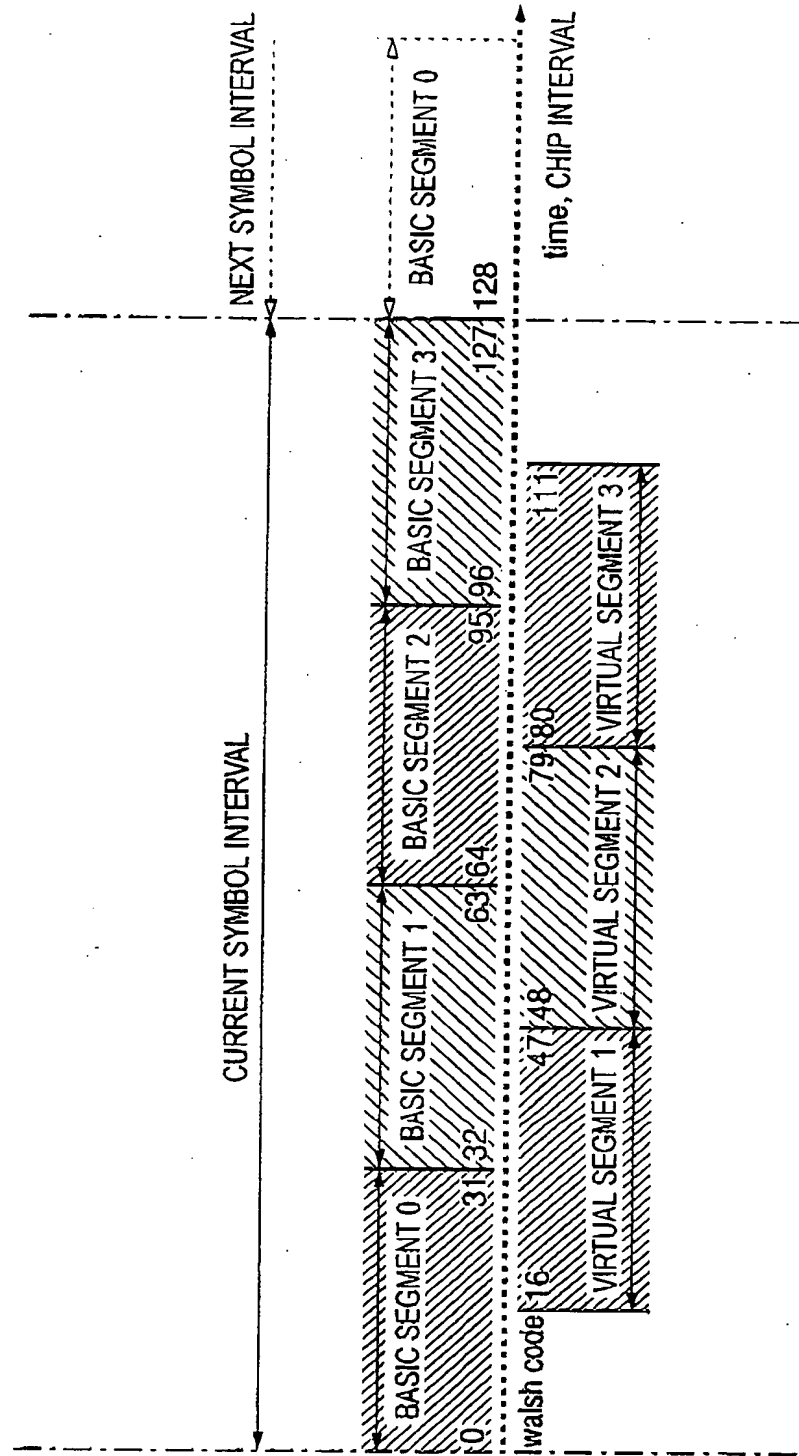


FIG. 14

EXAMPLE OF VIRTUAL SEGMENT INTERLEAVE STRUCTURE



# EXAMPLE OF A DETAILED CONFIGURATION OF VIRTUAL SEGMENT INTERLEAVE DESPREADING CIRCUIT (deSS-VSI)

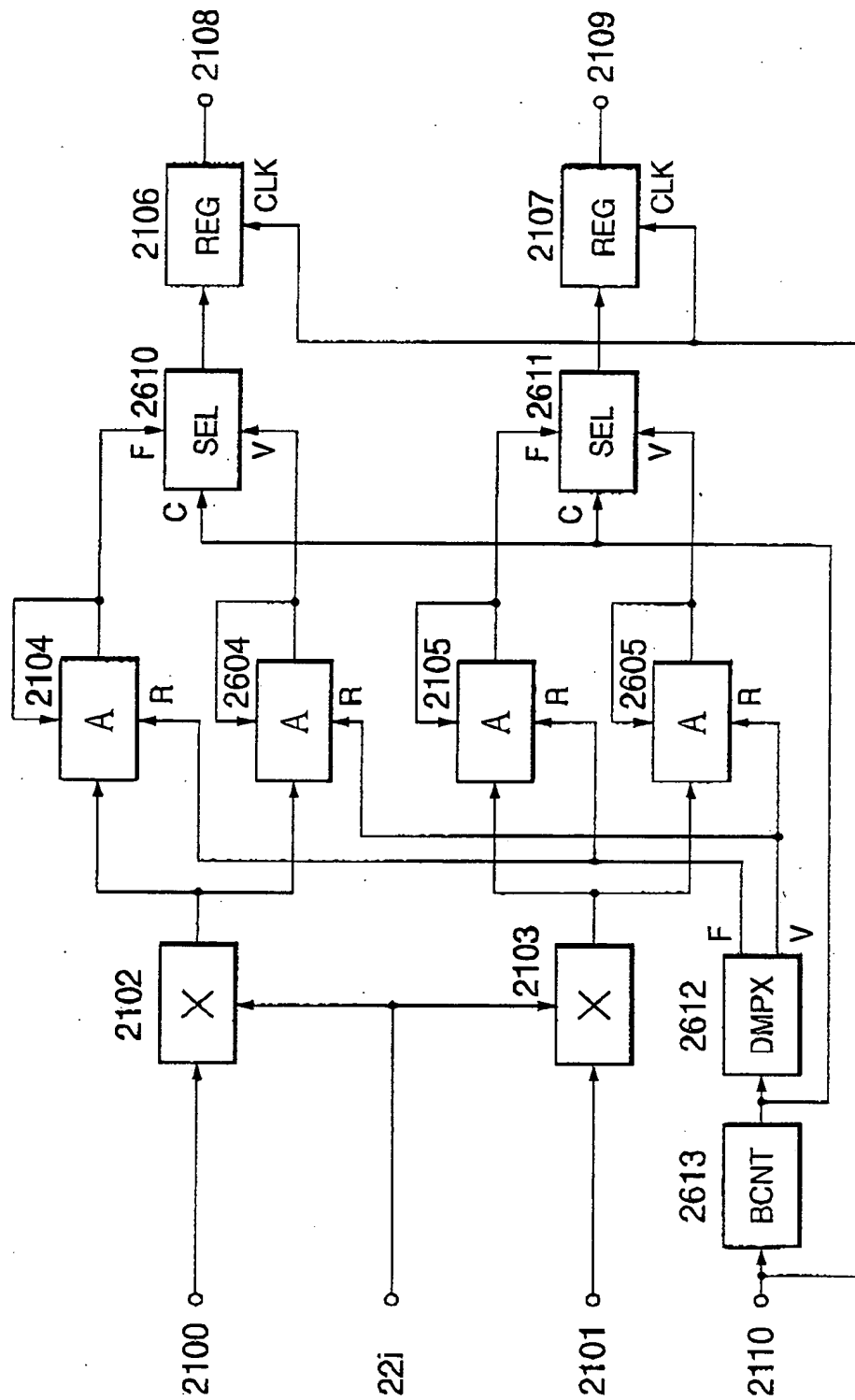
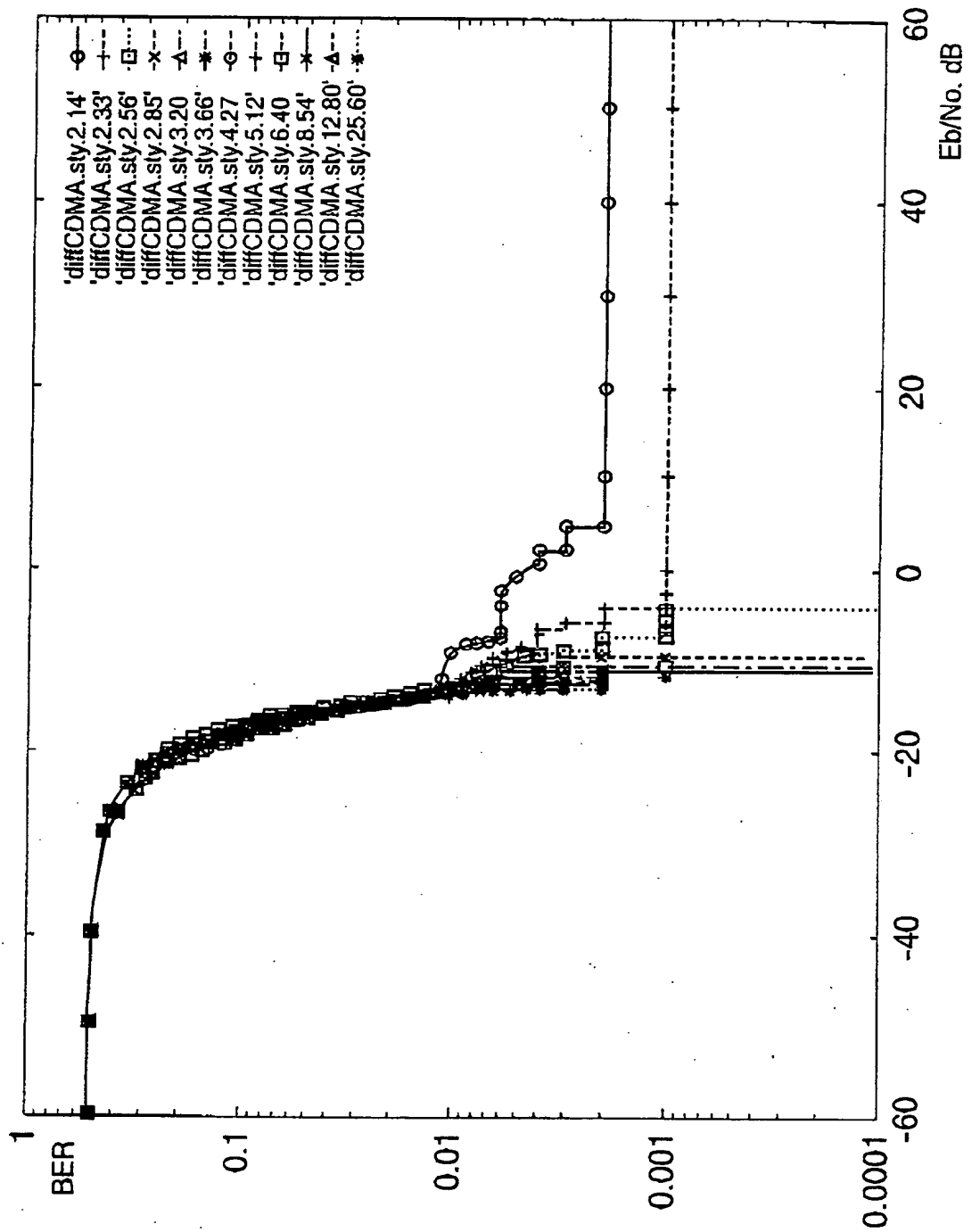


FIG. 16

TRANSMISSION CHARACTERISTICS IN STATIONARY TELEPHONE MODE OF  
DIFFERENTIAL CDMA TRANSMISSION SYSTEM





TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF DIFFERENTIAL CDMA TRANSMISSION SYSTEM

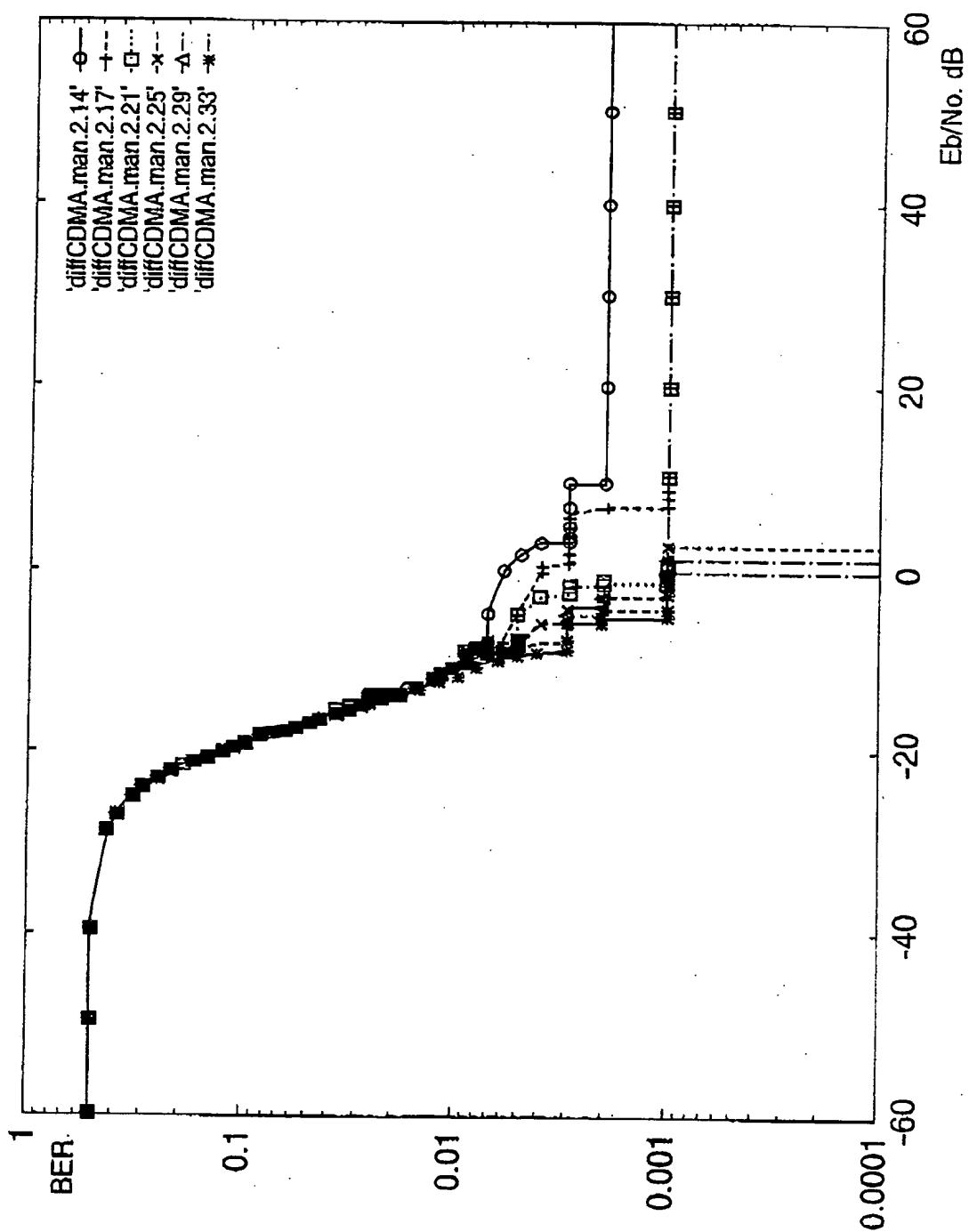


FIG.18

TRANSMISSION CHARACTERISTICS IN AUTOMOBILE TELEPHONE MODE OF  
DIFFERENTIAL CDMA TRANSMISSION SYSTEM

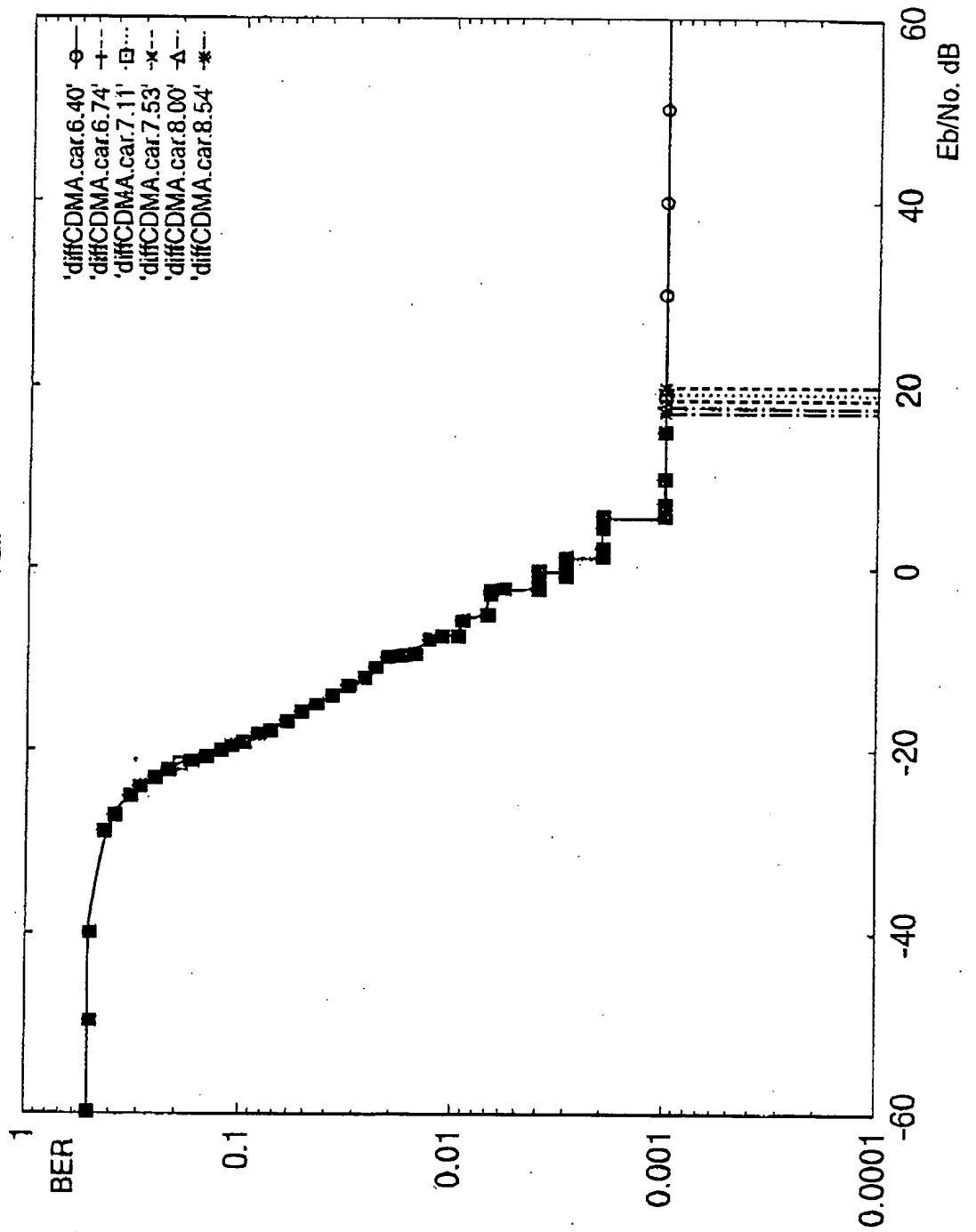
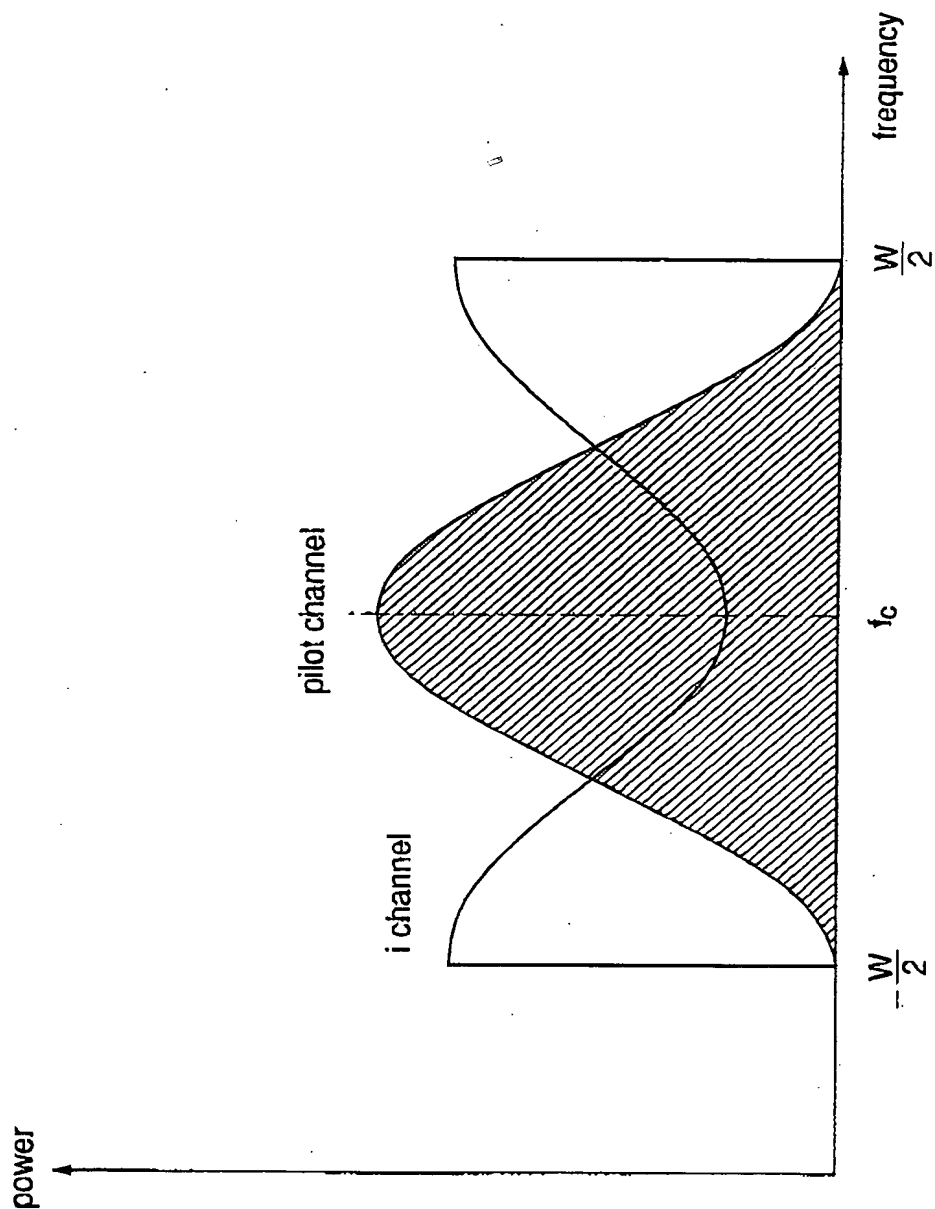


FIG. 19

SCHEMATIC POWER SPECTRUM



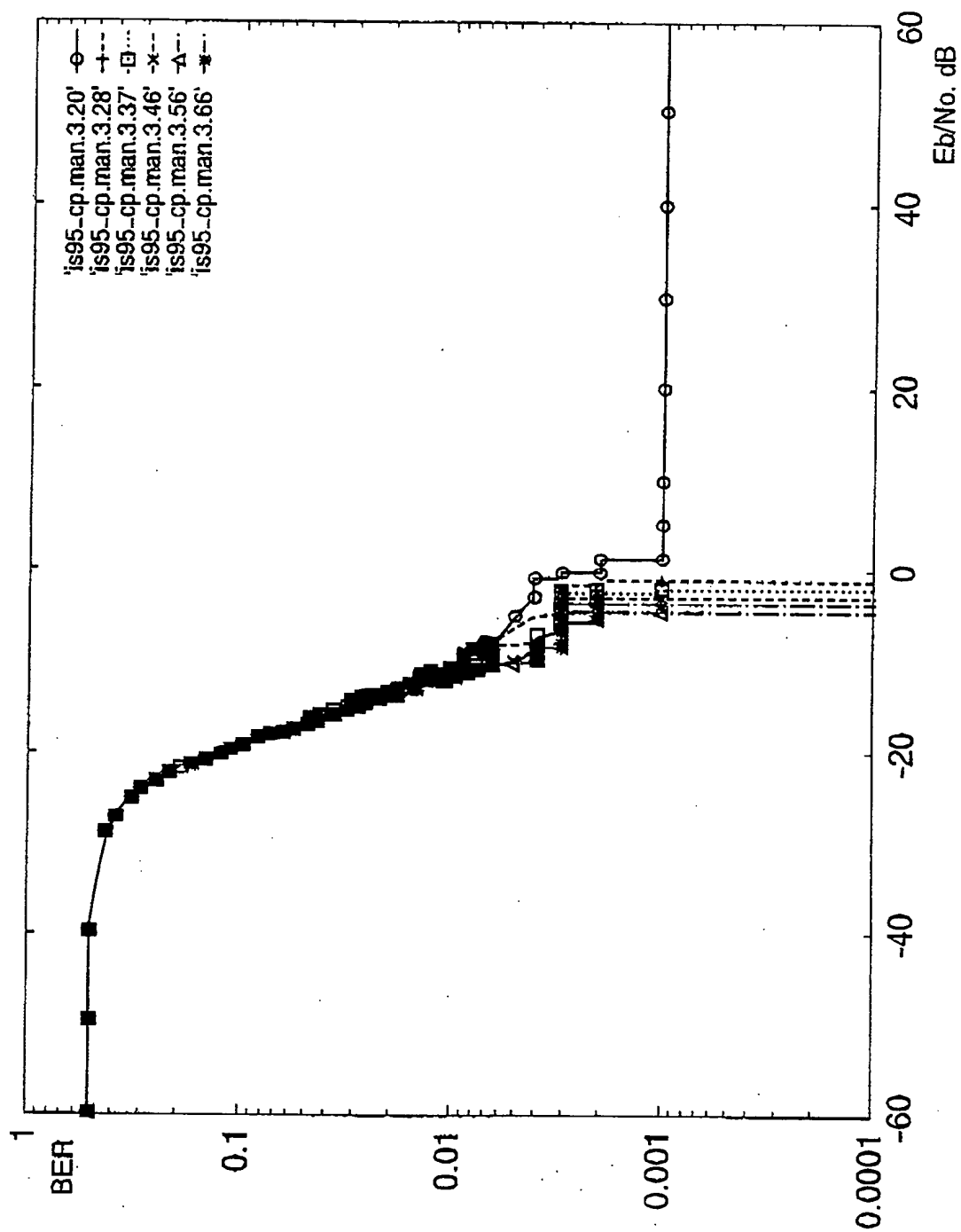
TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
PHASE CONTINUOUS PILOT CDMA TRANSMISSION SYSTEM

FIG. 21

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
PHASE CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM

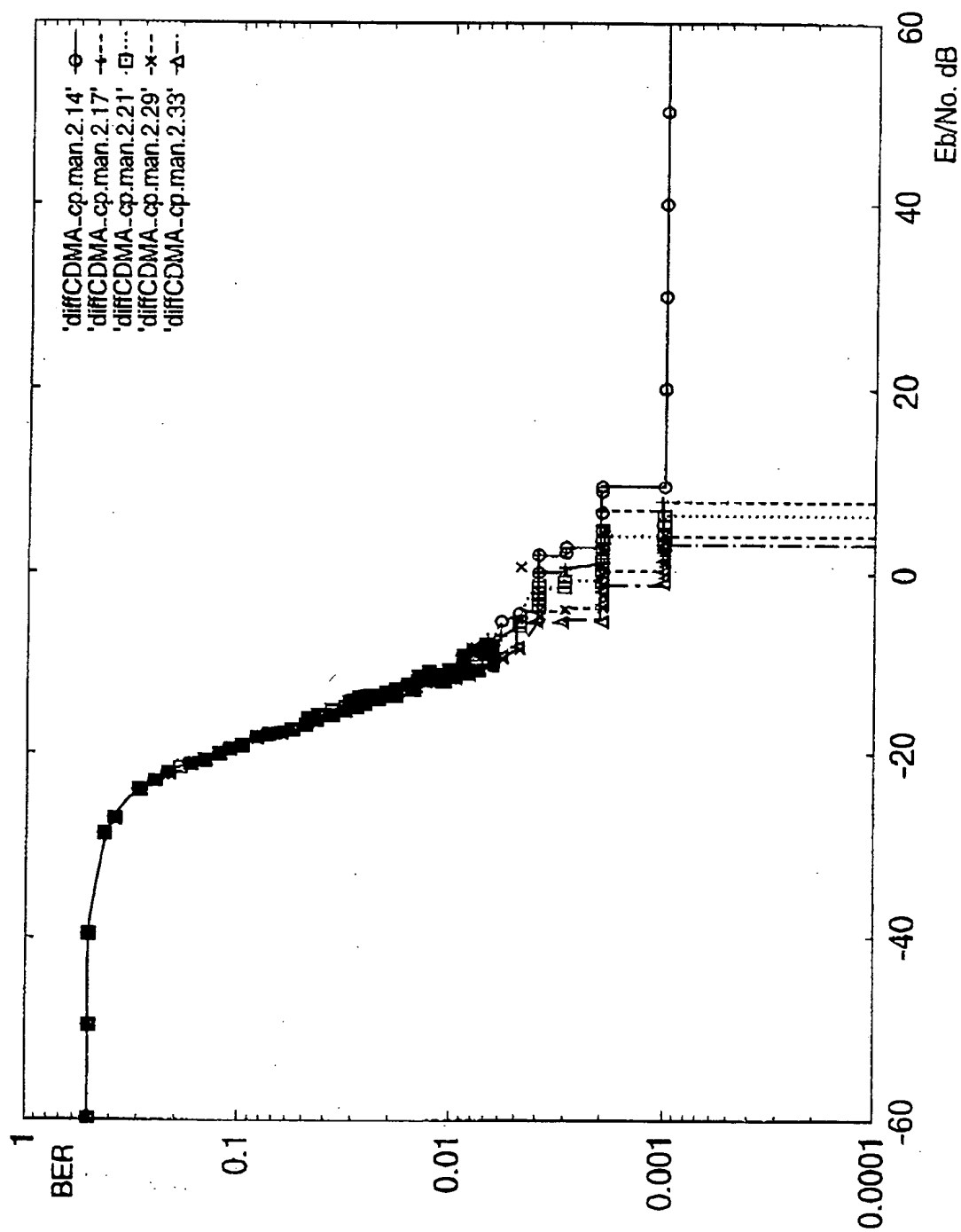


FIG. 22

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
CHIP CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM

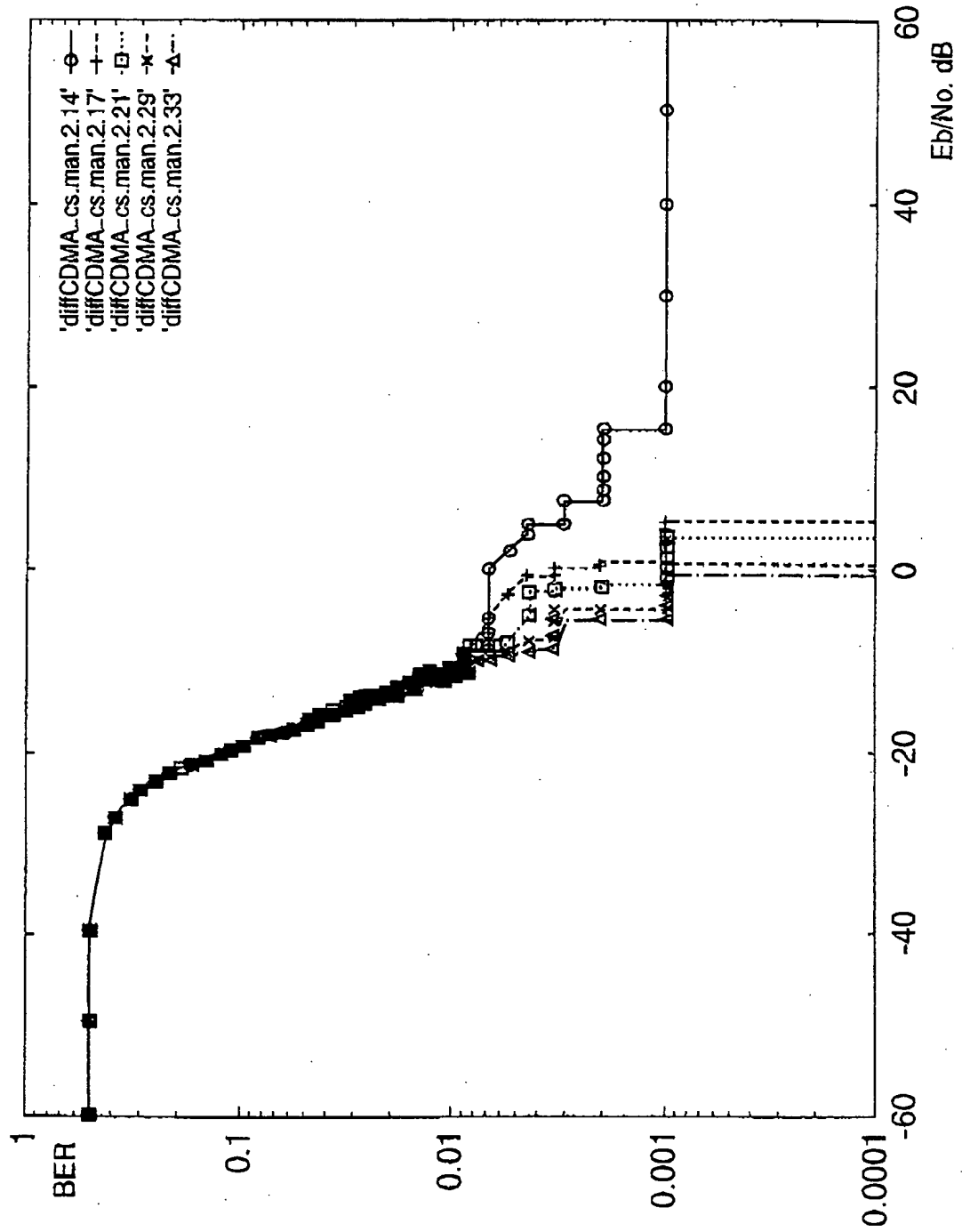


FIG. 23

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
PHASE/CHIP CONTINUOUS PILOT TRANSMISSION SYSTEM

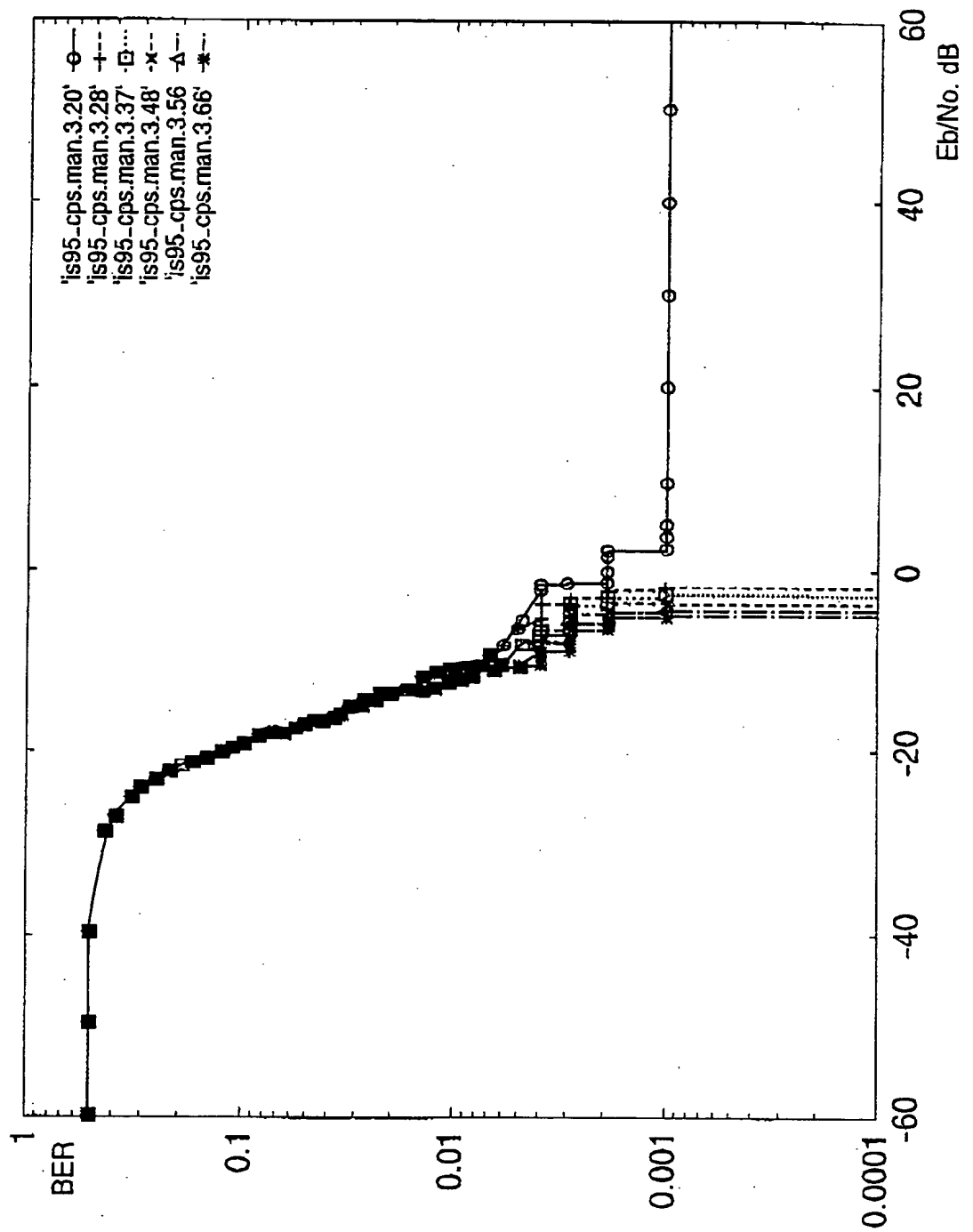
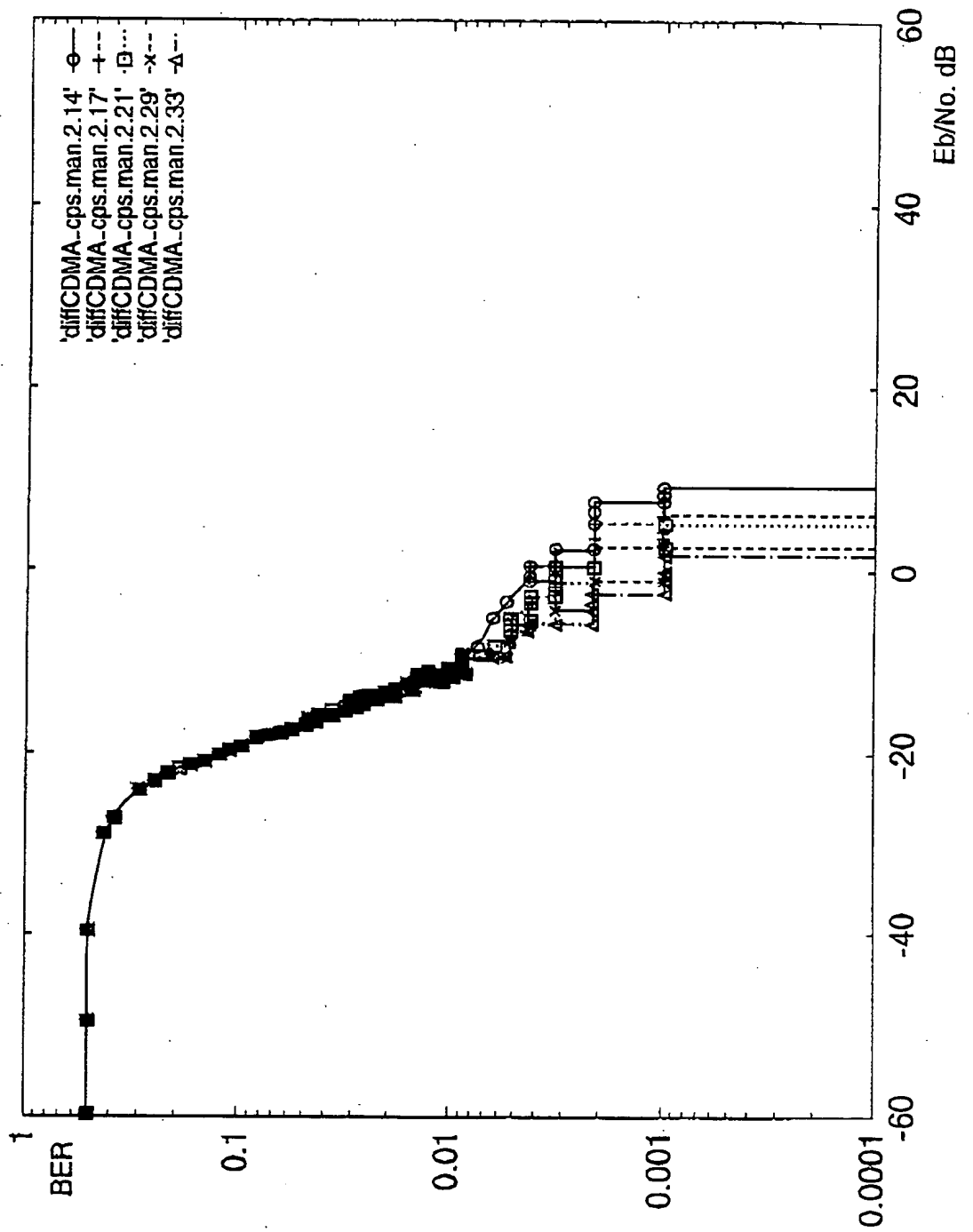


FIG. 24

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
PHASE/CHIP CONTINUOUS DIFFERENTIAL CDMA TRANSMISSION SYSTEM





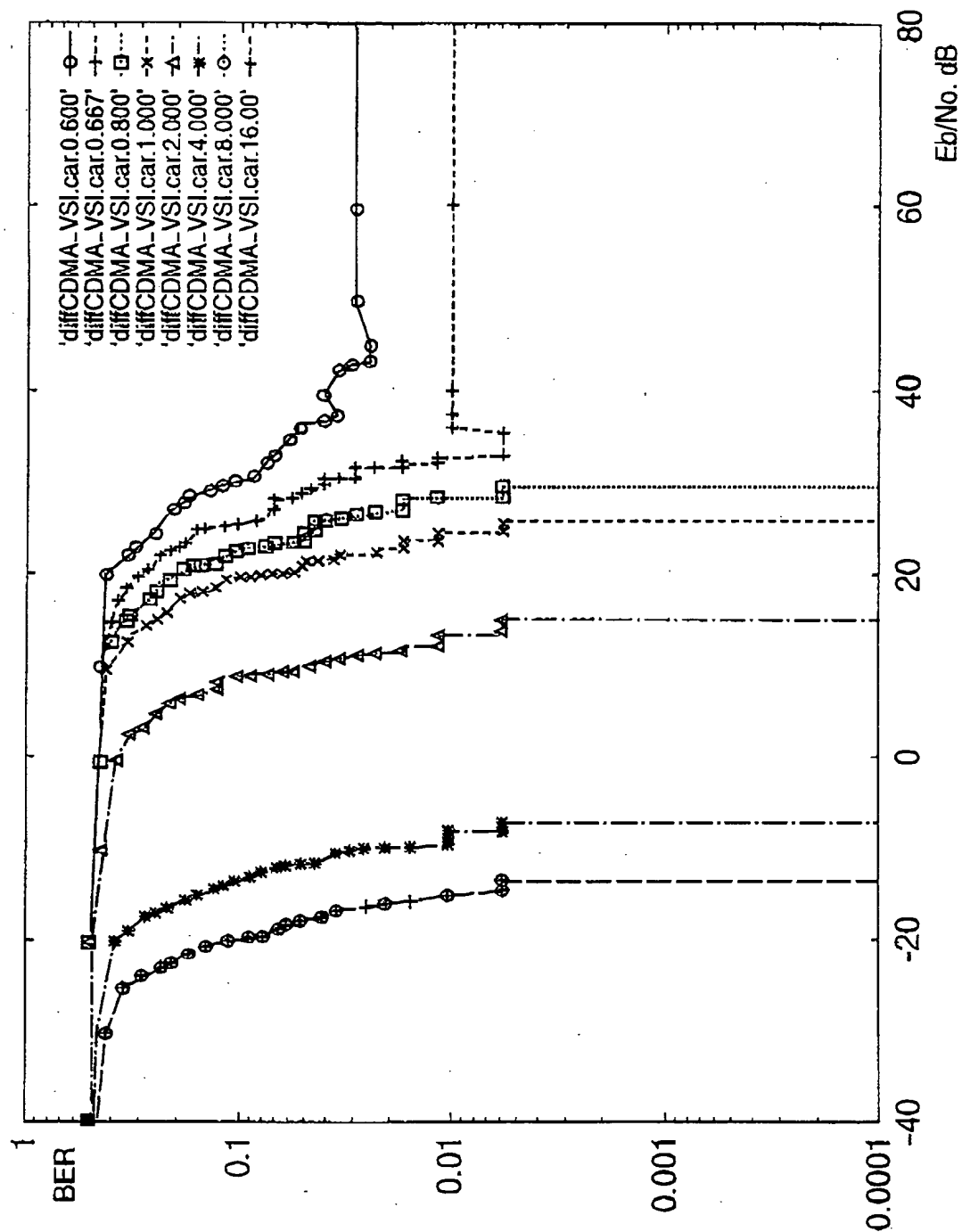
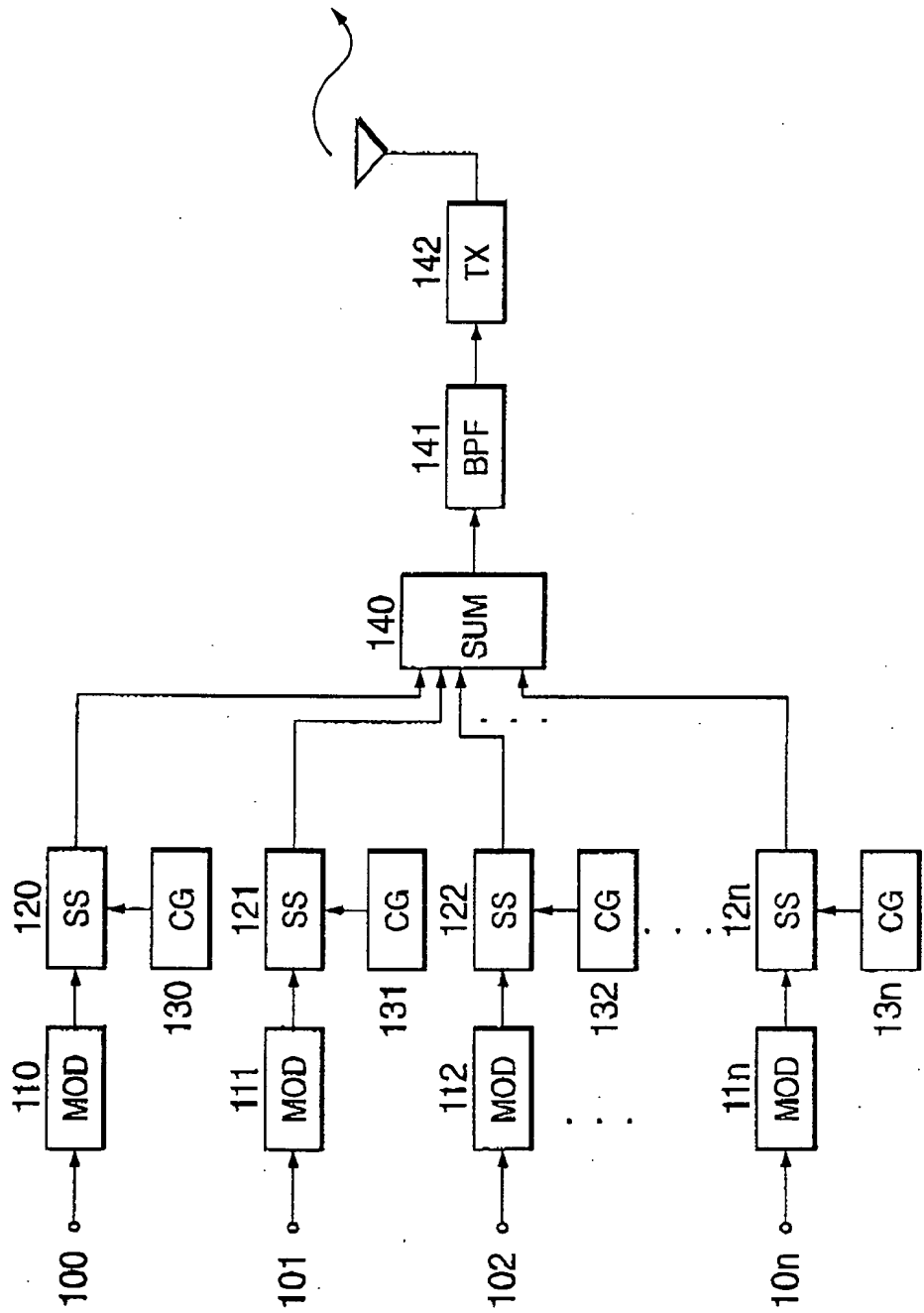
TRANSMISSION CHARACTERISTICS IN AUTOMOBILE TELEPHONE MODE OF  
VIRTUAL SEGMENT DIFFERENTIAL CDMA TRANSMISSION SYSTEM

FIG. 26

EXAMPLE OF A CONFIGURATION OF THE CONVENTIONAL CDMA TRANSMITTER



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FIG. 27

SCHEMATIC VIEW OF PRIMARY MODULATED WAVE AND SYMBOL STRUCTURE

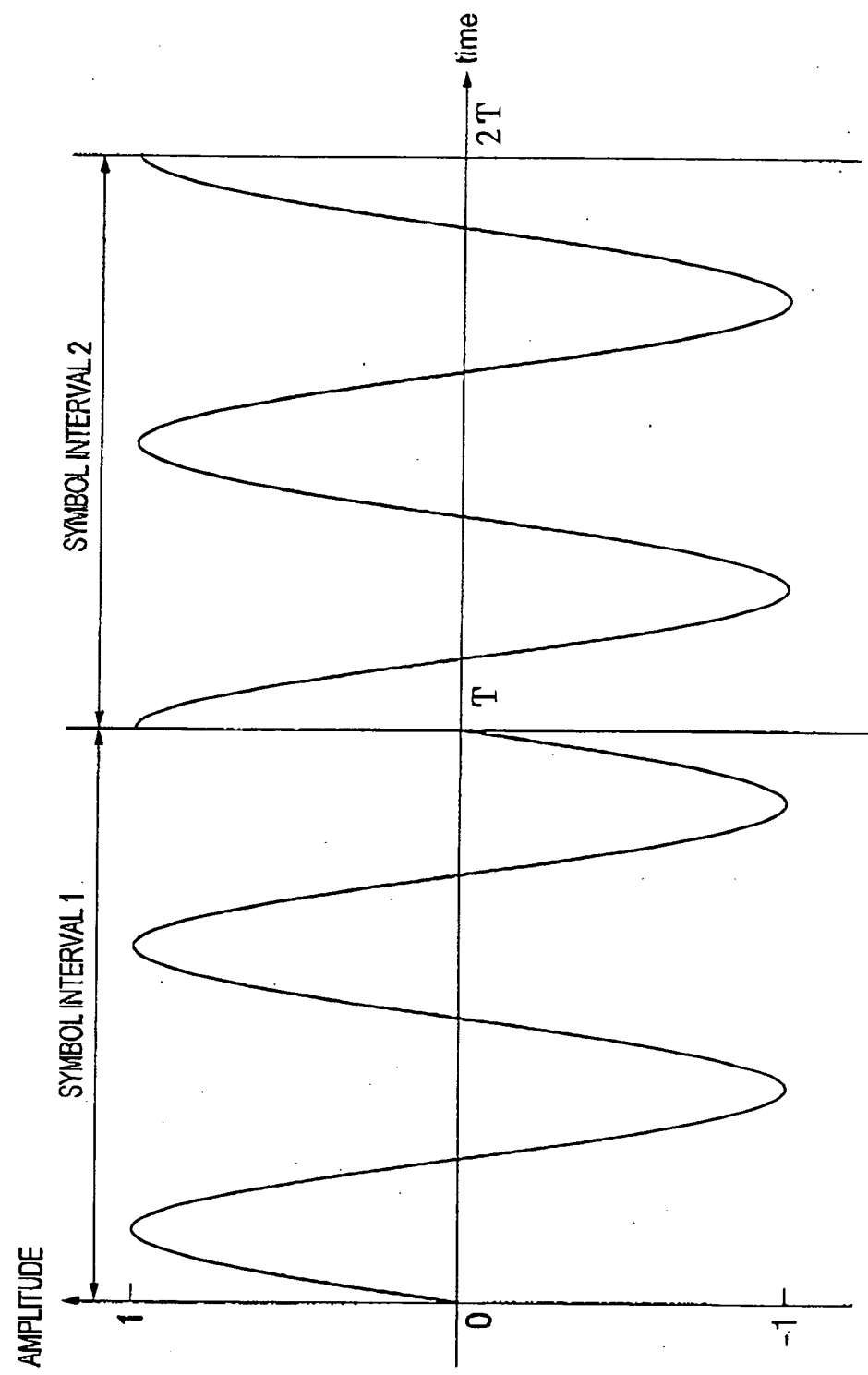


FIG. 28

EXAMPLE OF QPSK BIT CONSTELLATION

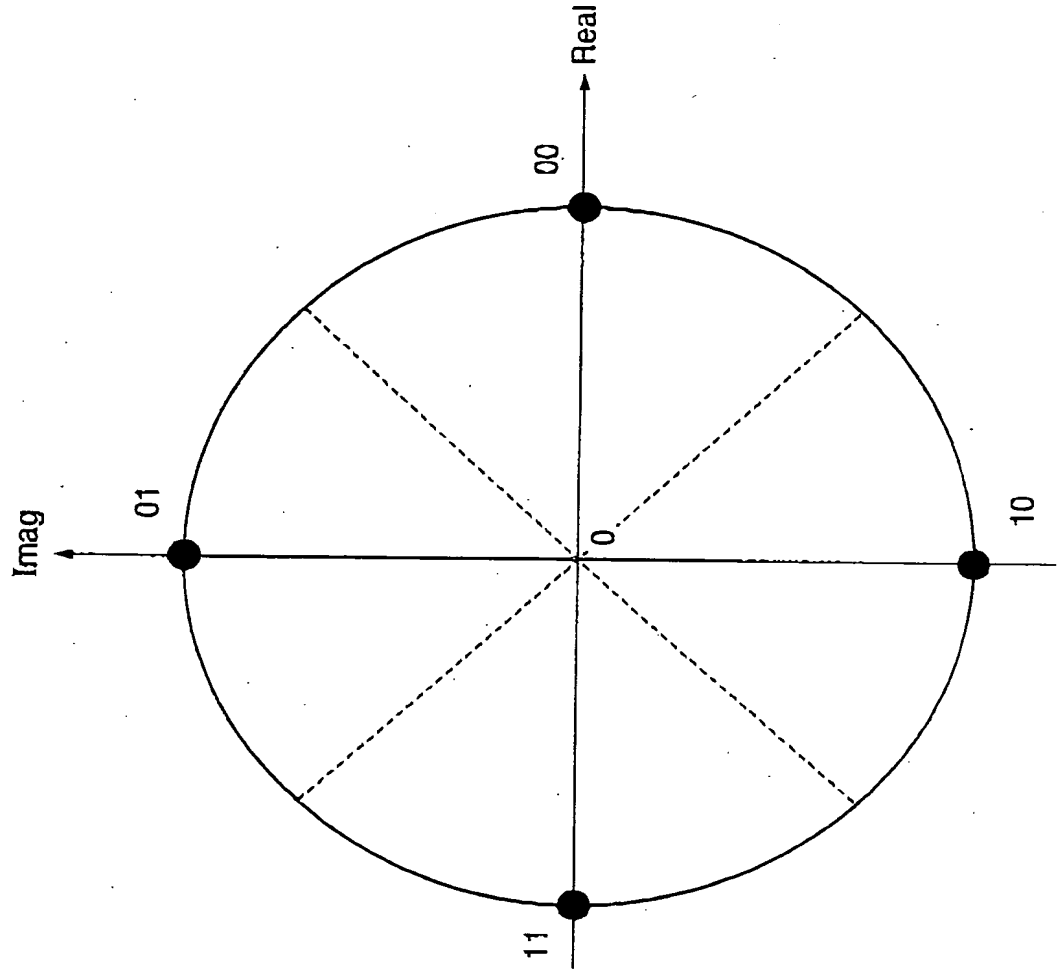


FIG. 29

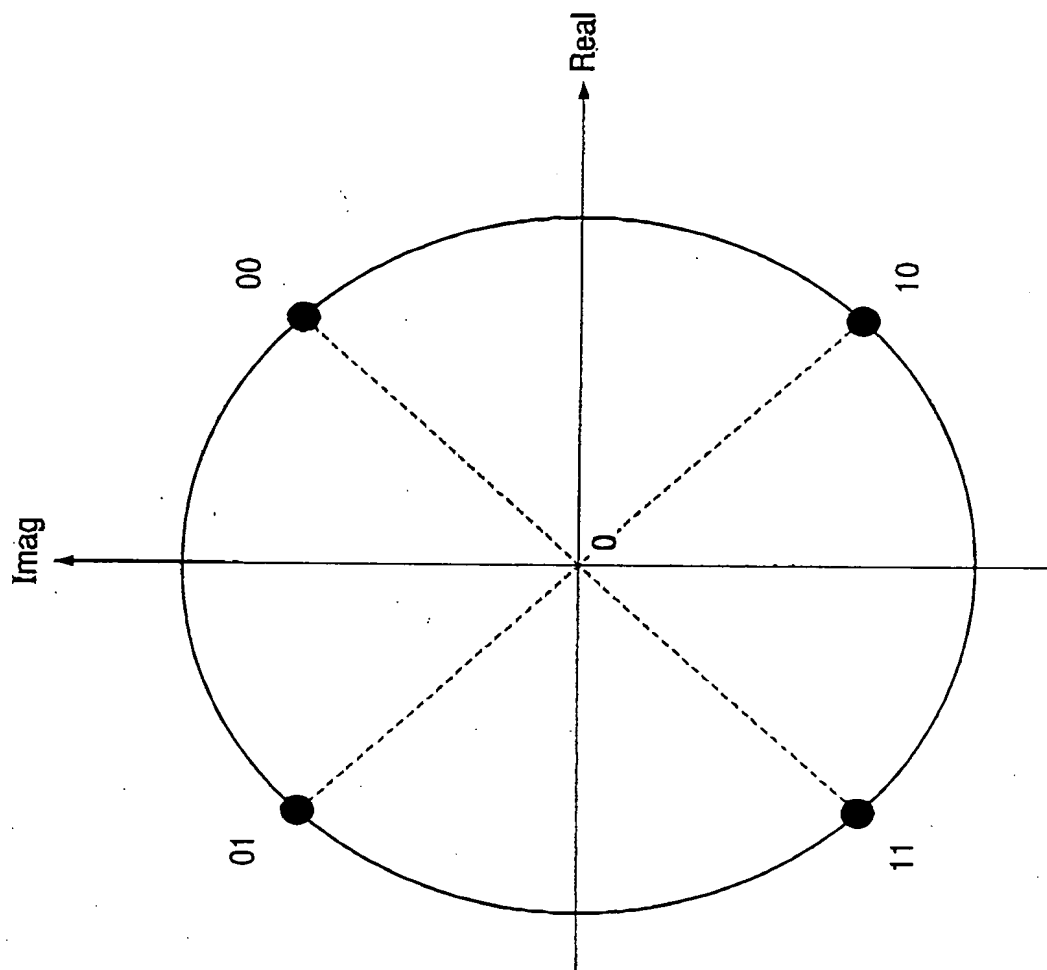
EXAMPLE OF  $\pi/4$ -SHIFTED QPSK BIT CONSTELLATION

FIG. 30

### EXAMPLE OF SEGMENT STRUCTURE IN A SYMBOL INTERVAL OF PRIMARY MODULATED WAVE

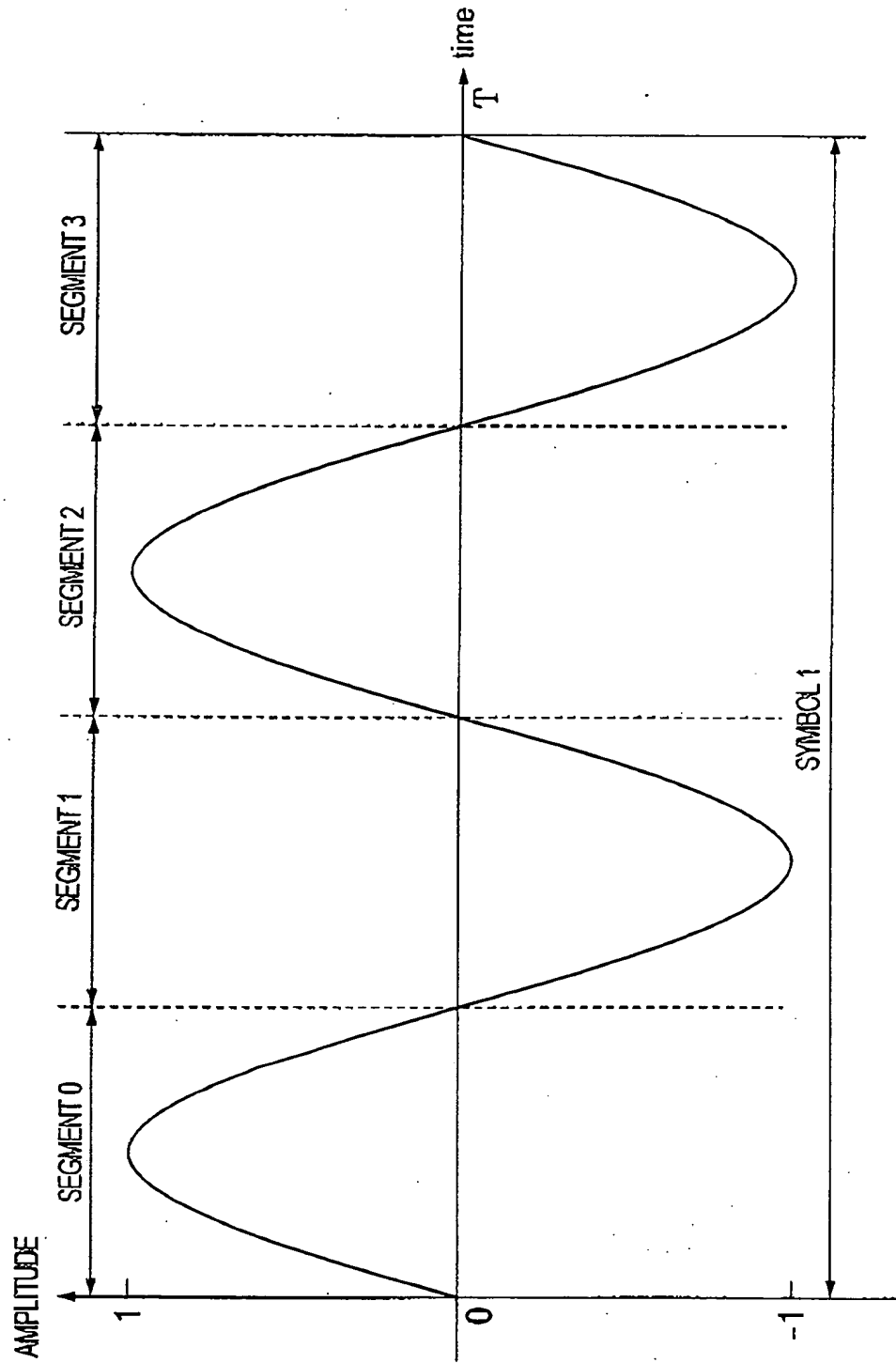


FIG. 31

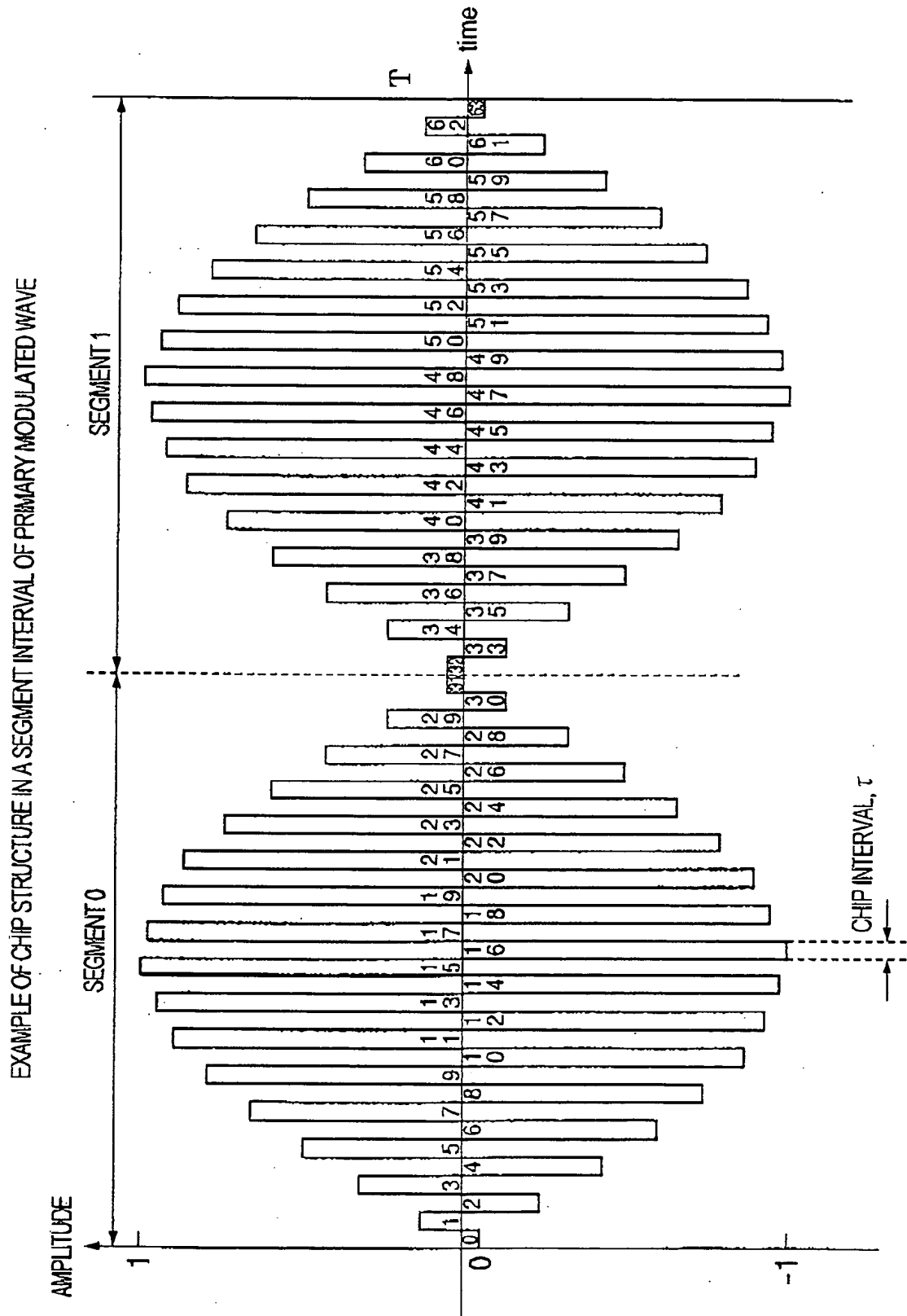


FIG. 32

EXAMPLE OF A CONFIGURATION OF THE CONVENTIONAL CDMA RECEIVER

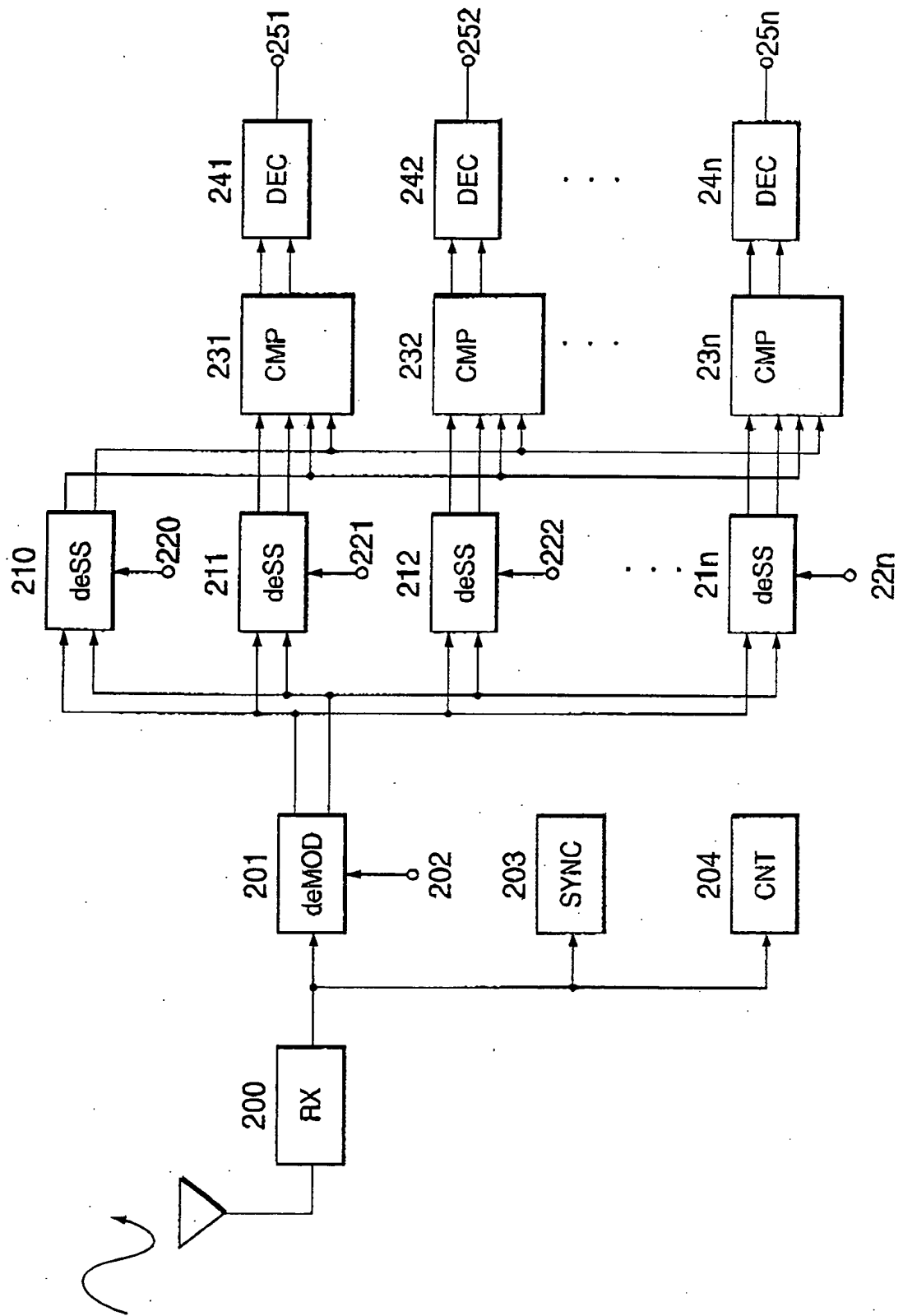




FIG. 33

EXAMPLE OF A DETAILED CONFIGURATION OF DEMODULATOR CIRCUIT (de MOD)

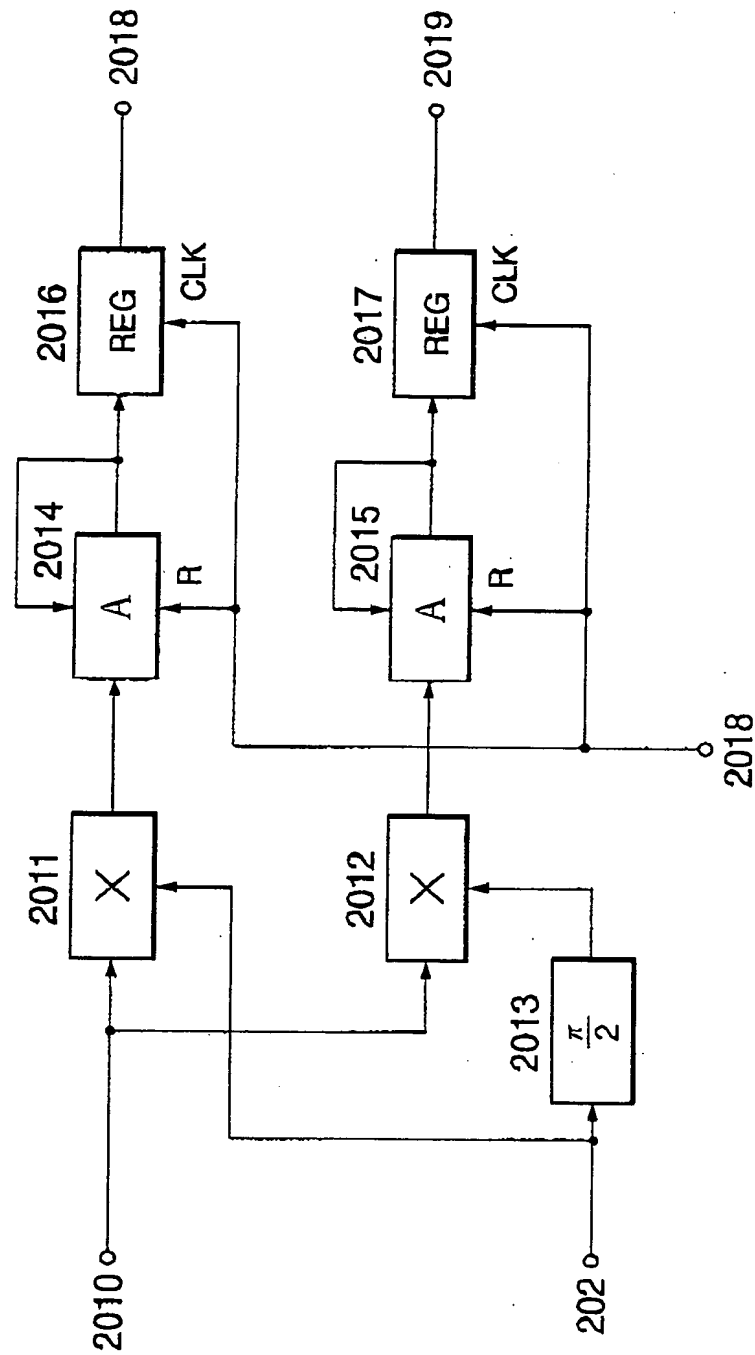


FIG. 34

EXAMPLE OF A DETAILED CONFIGURATION OF DESPREADING CIRCUIT (deSS)

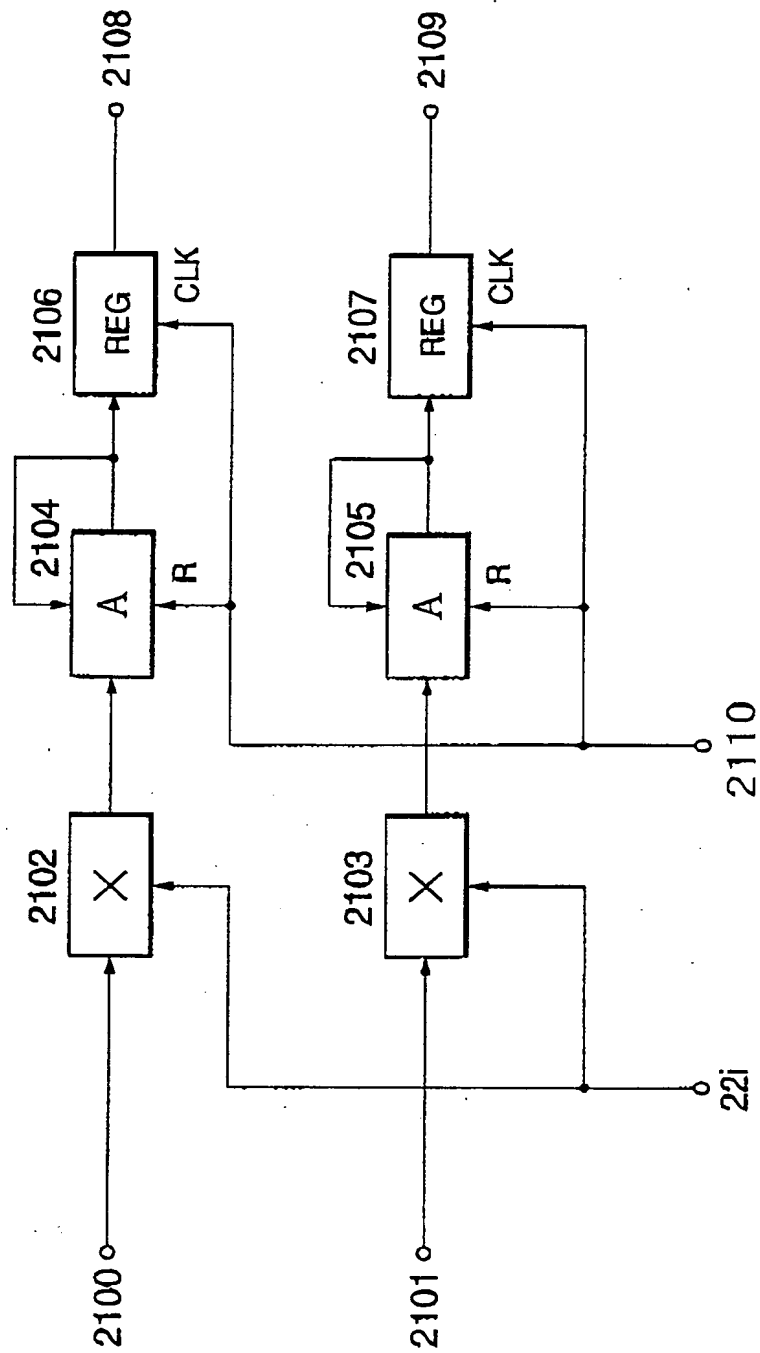
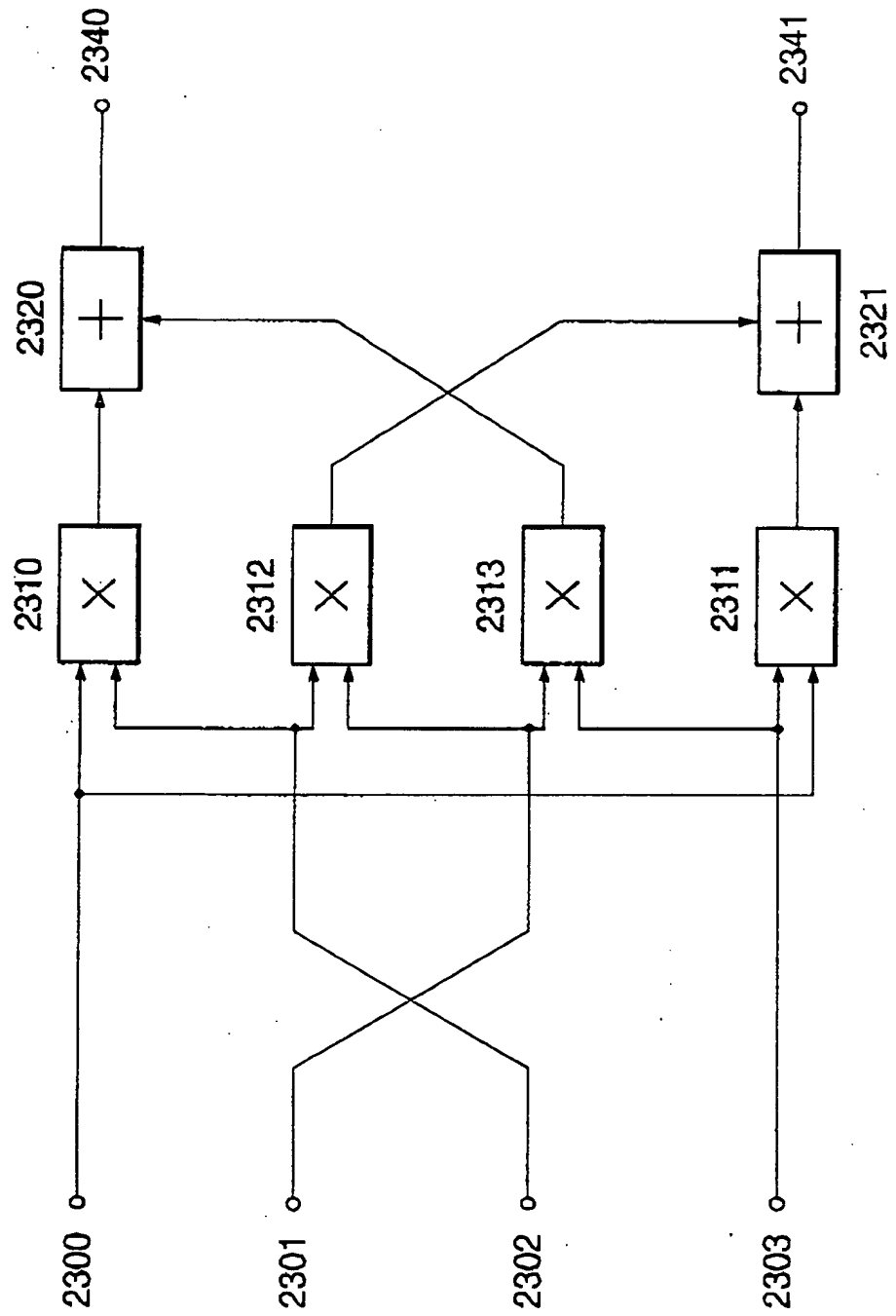


FIG. 35

EXAMPLE OF A DETAILED CONFIGURATION OF PHASE CORRECTION CIRCUIT (CMP)



TRANSMISSION CHARACTERISTICS IN STATIONARY TELEPHONE MODE OF THE CONVENTIONAL SYSTEM

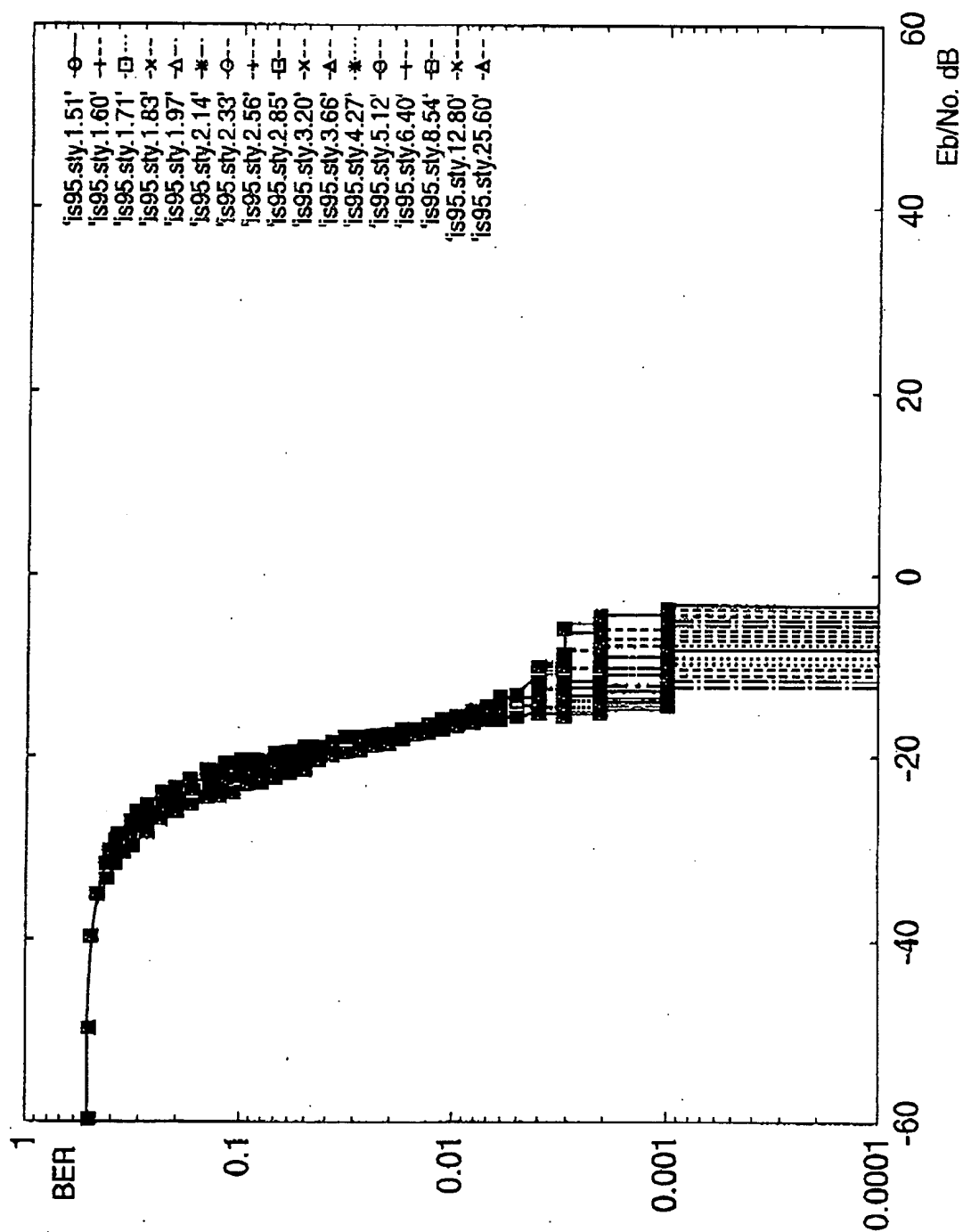


FIG. 37

TRANSMISSION CHARACTERISTICS IN PEDESTRIAN TELEPHONE MODE OF  
THE CONVENTIONAL SYSTEM

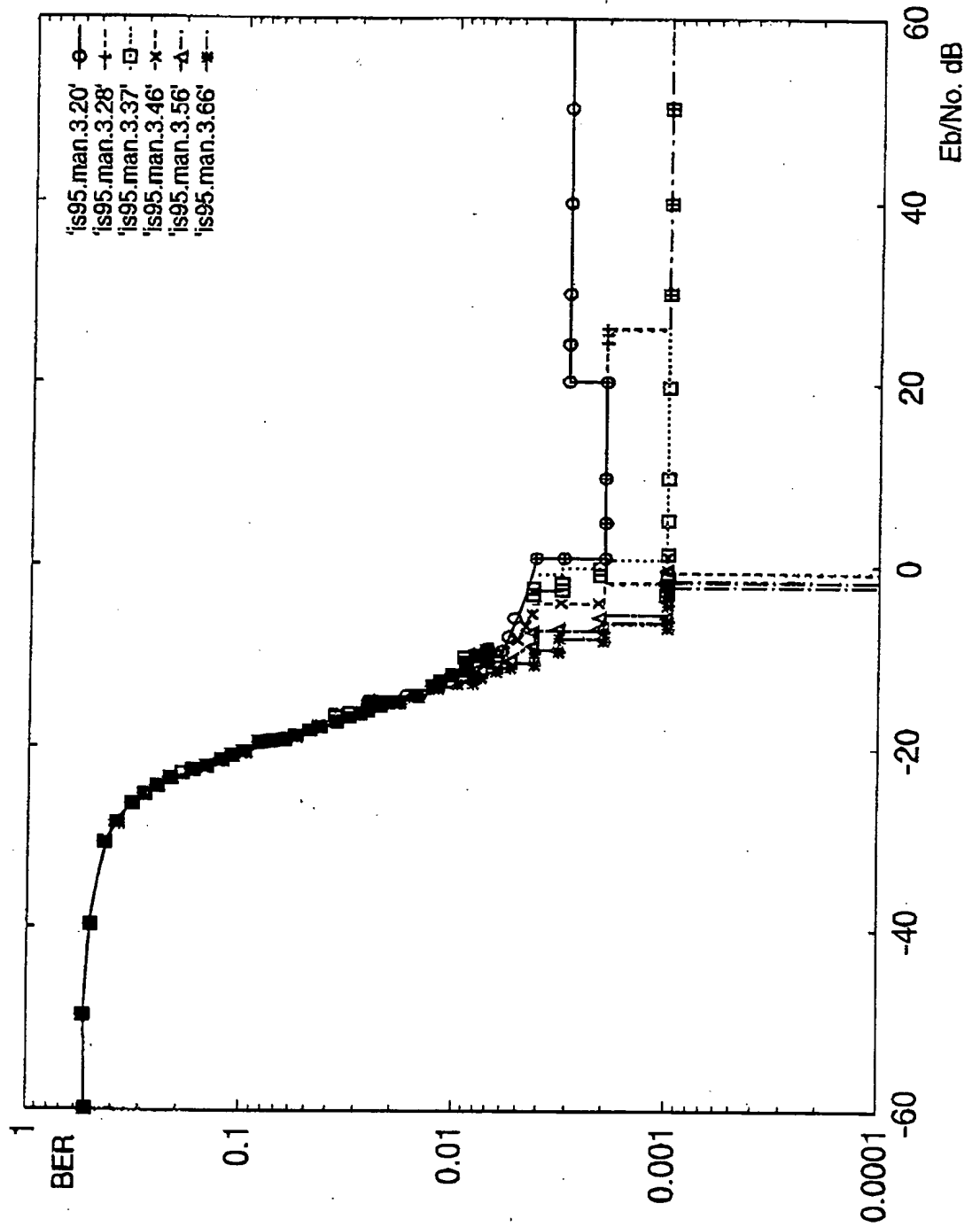


FIG. 38

TRANSMISSION CHARACTERISTICS IN AUTOMOBILE TELEPHONE MODE OF THE CONVENTIONAL SYSTEM

